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<120> 90 Human Secreted Proteins

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<140> Unassigned

<141> 1999-02-04

<150> PCT/US98/16235

<151> 1998-08-04

<150> 60/055,386

<151> 1997-08-05

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aagtttttgc	cattataatt	ttgaccataa	attaatttga	ccatctctct	tattaataga	660
gaagtaaaaa	atgtaagttg	accttctctt	agattatgtt	caatgaatat	tgtaaatgtt	720
caagtattgt	taatgaatag	aataaataca	atattgcatt	ccccaaaaaa	aaaaaaaaaa	780
actcga						786

<210> 19
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> n equals a,t,g, or c

<400> 19
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 ctccccacca accctctgag tctgaagttg ggcttgatgc tgttatcact gaccctttgt 120
 ttggagaaaa cagtccaagg tttgaaattg ggtctatgtt tattcaaact aagctttctct 180
 gaggacatgg tctgtcccac tcatcctcag agtatccgtt ggttttactt catgttcaga 240
 ctgcagtgtt gttaaagaaa taaagctaca gtgttttcag aaggatttgt tatattatac 300
 ttcatgttcc cactgctcca ggctaagcgt ctctctcagg ctccattgtt taatgcagga 360
 caaagccagg ttttctggca gcttcctttt catagcaatt ctcagtagag gtatagaatg 420
 agacctgcct accttcttgg gtgtttatta ccccatgtt ggattttact ttaacttctg 480
 ttaccttaaa aaaaaaaaaa aaaaactcga 510

<210> 20
 <211> 750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (749)
 <223> n equals a,t,g, or c

<400> 20
 gagctgcctg atggaaagaa gagaagaaag gtccctggcgc tccccacaca ccgaggcccc 60
 aaaatcaggt tgcgggacaa aggcaaagtg aagcccgtcc atccccaaaa gccaaagcca 120
 cagataaacc agtggaagca ggagaagcag caattatcgt ccgagcaggt atctaggaaa 180
 aaagctaagg gaaataagac ggaaacccgc ttcaaccagc tggtcgaaca atataagcag 240
 aaattattgg gaccttctaa aggagcacct cttgcaaaga ggagcaaagt gtttgatagt 300
 tgatgatggc agcaggctgg gtaagaagct gggttgtgta ctttctgggtg acactcctgg 360
 gctcctcccc atccccctg tctctcactg agggaaagaa aatcccccaag ggcactgcca 420
 ctgtgctcgg aggtgccttg gactgtgtac atctgaactt tgggtccatcc tttgatgtgt 480
 ggttcggttag ccacaaagag aaatatctga aagtcaacat gatgcttctt gcatattatc 540
 cagattattg tatgaagttg tgtctataat tattaccaat ttttattctt tatttctcaa 600
 atggaaacac ctgaaaaagc attctggagt gctgaatttt taagatgtat attttgtaa 660
 gcatattctc taaatgagat attgtgtggc tttttagtaa caacgtcatt tctaataaaa 720
 aaaaaaaaaa aaaaagaaaa gaaaaaana 750

<210> 21
 <211> 838
 <212> DNA
 <213> Homo sapiens

<400> 21
 gaattcggca cgaggagcca ctgcggtctg ccaagatgct ttatattctt ttaaaaccat 60
 tgttgtgtct atctgttaac tgcacaaata tttaccaaat gcttaccaag agccaaggac 120
 tagacttggc actgggtaga aactagtaag gcatggctct tcttctacat agaattcttag 180
 catttttagag atgagttccc agacatggtc cagaaggtca cagttcacac cattaggcaa 240
 ggcagtatct gaaataaaaag tcatgtctaa tactaaatcc agtatgttct ctccttcagg 300
 attttactct cattgctgcc ccttggtttg ctatgctctt cccagacag ctgcacagct 360
 catttaattt agatctcatt taatttagat ctctcaatta atttagatct ctgttaaaaa 420
 aaaaaaaaag ccctaggcag caaggtctaa catatcatcc tcaaattaaa gagaaagccc 480
 tttggtgtta tttttcttta tagcacttac caactcccag tagaatgtaa actccagtag 540

ggcacatatc	tttgccctctt	ttatcttactg	ctctattccc	agcaccagaa	cagtccttgc	600
cacaaagtag	gtgctcaata	aacatttggg	gaatgaatta	acctagtgtt	ctttttacct	660
acacatgcac	acacagagcc	atgacactcc	tgccgaggaa	gctcgcggct	ctaagaggga	720
cattaaagaa	aagccaattc	agtgcctgcc	aaagagtaga	acatgttttg	acagcaggat	780
cagcttgggt	ggtggaccaa	caatgggttg	cagaccaaga	aaaaaaaaa	aaactcga	838

<210> 22
 <211> 1061
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (138)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (460)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1048)
 <223> n equals a,t,g, or c

<400> 22						
acaccaatgg	agacataatt	gtgggcagac	tatgacaacc	gttgggtcag	catcttctcc	60
cctgaggggc	aagttcaaga	ccaagattgg	agctgggccg	cctcatgggc	cccaagggag	120
tggccgtaga	ccggaatnga	catatcattg	tggtcgacaa	caagtcttgc	tgcgctctta	180
ccttccagcc	caatggcaaa	ctgggtggcc	gttttggggg	ccgtggggcc	actgaccgcc	240
actttgcagg	gccccatttt	gtggctgtga	acaacaagaa	tgaaattgta	gtaacggact	300
tccataacca	ttcagtgaag	gtgtacagtg	ccgatggaga	gttcctcttc	aagtttggct	360
cccattggcg	gggcaatggg	cagttcaatg	ccccacagg	agtagctgtg	gactccaatg	420
gaaacatcat	tgtggctgac	tggggcaaca	gccgcatccn	aggatttcga	cancctctggc	480
tccttccctg	cctatatcaa	cacatctgca	gaaccactgt	atggtccaca	gggcctggca	540
ctgacctcgg	atggccatgt	ggtgggtggc	gatgctggca	accactgctt	taaagcctat	600
cgctacctcc	agtagctgta	cagaggccct	gcctggcttg	tggagggaca	gacattgggg	660
tgattggaca	agagggctctg	gctgggaggt	gggccagacc	tggcagcact	gaatgtgggc	720
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tattttattcg	gttcttgctt	tggtgactgg	gtgagcctgg	actgtggtcc	caaggatgtg	840
tgcagagctt	cacctaccc	ttcttacaca	cctccccacc	cctgtcagtc	tgctccccat	900
ccccagcct	ggggccagaa	cagcctaccc	caggacagga	gtccctctag	ttgtctccct	960
accaccctat	acacactgac	agagacagca	atacccccacc	ccccatatta	aataaatgtc	1020
ttcaccaaga	aaaaaaaaa	aaaaaaaaanac	tcgcggcagc	a		1061

<210> 23
 <211> 884
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (307)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (356)
 <223> n equals a,t,g, or c

<400> 23
 tcgacccacg cgtccgcccg atggttgcca cccctcctgc tgtaggatgg aagcagccat 60
 ggagtgggag ggaggcgcaa taagacaccc ctccacagag cttggcatca tgggaagctg 120
 gttctacctc ttcttggtct ctttgtttta aggcctggct gggagccttc cttttgggtg 180
 tctttctctt ctccaaccaa cagaaaagac tgctcttcaa agtggagggt cttcatgaaa 240
 cacagctgcc aggagcccag gcacaggctg ggggcctgga aaaaggaggg cacacaggag 300
 gagggangga gctggtaggg gagatgctgg gctttacctt agtctcgaaa caaggnggca 360
 gaataggcag aggcctctcc gttccaggcc catttttgac aratggcggg acggaaatgc 420
 aatagaccag cctgcaaraa aracatgtgt tttgatgaca ggcagtgtgg cggggtggaa 480
 caagcacagg ccttggaatc ccaatggact gaatcagaac cctaggcctg ccattctgtca 540
 gccgggtgac ctgggtcaat tttagcctct aaaagcctca gtctccttat ctgcaaaatg 600
 aggcctgtga tacctgtttt gaagggttgc tgagaaaatt aaagataagg gtatccaaaa 660
 tagtctacgg ccataccacc ctgaacgtgc ctaatctcgt aagctaagca gggtcaggcc 720
 tggttagtac ctggatgggg agagtatgga aaacatacct gccgcagtt ggagtgtggac 780
 tctgtcttaa cagtagcgtg gcacacagaa ggcactcagt aaatacctgt tgaataaatg 840
 aagtagcgat ttggtgtgaa aaaaaaaaaa aaaaaaaaaa aaac 884

<210> 24
 <211> 711
 <212> DNA
 <213> Homo sapiens

<400> 24
 atagggcgat tgggtacggg cccccctcgt agtttttttt tttttttttt ttttagagaca 60
 gagtcttgct ctgtcaccta ggctggagta cagtggcgtg atcatagctc actgtaacct 120
 tgaactcctg ggcttgagca accctcctgg cacaatctcc ttgaatgatg ggtcccaaga 180
 gccagacaga acggacttcc tcccttatgc ctcatcaagt tagagagaga agagctcaca 240
 tccccaaaat gcctatgaac acataactct actgattcct gacctgacct gccttggcct 300
 caagaggggc aaatgctcaa ttccttgagt tcaaactctt ttccctgtat tttctcacct 360
 gtgggggtcca cctctgtccc tctgactcac agaattgtgac tgcccccttc cttcttatga 420
 tagtcttcca gaggtctgaa gacagaaagc atatcttctt tgagtcttct ctaagttgaa 480
 tactcccaat caccctaaac agagttagtc agtgcaggaa aagtatagtt ttgtgatcag 540
 agttgtatcc aaaattccat atcacaactt actaactaca tgacctagag tatgttcttt 600
 cacctcacag aggcaggagc attgtgagga ttaaagcgcc tagccaggaa taggcatag 660
 tatgtgctca ataaatgata cttctcaaga taacaatctc gtgccgaatt c 711

<210> 25
 <211> 507
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (10)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (48)
 <223> n equals a,t,g, or c

<400> 25

ctcgaantan	ccccactaag	ggaacaaagc	tggagctcca	cgcggtgncg	gccgctctar	60
aactagtgga	tccccggggc	tgcaggaatt	cggcacgagc	ttttccaaaa	tggctgtact	120
aattttacatt	cccaccaaca	atgttcaagg	atttcatatt	cttgacattc	ttaccaaaat	180
tgtcacagtt	tgtaaaagg	agtctaataa	gtggcctaag	tgaatgtgac	aacacttcat	240
tgaagcaat	cttaggtttt	tccaactata	gtcaataata	acttaattgt	acattctaaa	300
ataactcaaa	gagtgttaatt	ggattgcttg	taacttaaag	gataaatgct	tgaggggatg	360
gatgcctcat	tctccatgat	gtgcttattt	cacattgcat	gcctgtatca	aaacattaca	420
tttatcccat	aataacacac	cttactatgt	acccccaaaa	aataaacatt	aaaattaagt	480
tttcaaaaaa	aaaaaaaaaa	aactcga				507

<210> 26
 <211> 2232
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (715)
 <223> n equals a,t,g, or c

<400> 26

ctcccaggcc	cgcgaaacttg	gccattcagc	cgccgctgtc	cccgtgcgc	gccctcgcgc	60
ctctgcctga	raagccaggc	gctgttcccc	caccccagaa	gaggatggca	aagggtggcta	120
aggacctcaa	cccaggagtt	aaaaagatgt	ccctgggcc	gctgcagtca	gcaagaggtg	180
tggcatgttt	gggatgcaag	gggacgtgtt	cgggcttcga	gccacattca	tggaggaaaa	240
tatgcaagtc	ttgcaaatgc	agccaagagg	accactgcct	aacatctgac	ctagaagacg	300
atcggaataa	tggccgcttg	ctgatggact	ccaagtattc	caccctcact	gctcgggtga	360
aaggcgggga	cggcacccgg	atttacaaga	ggaaccggat	gatcatgacc	aaccctattg	420
ctactgggaa	agatcccact	tttgacacca	tcacctacga	gtgggctccc	cctggagtca	480
cccagaaaact	gggactgcag	tacatggagc	tcaccccaa	ggagaagcag	ccagtgcacg	540
gcacagaggg	tgtttttacc	gccgccgcca	gctcatgcac	cagctcccca	tctatgacca	600
ggatccctcg	cgctgccgtg	gactttttgga	gaatgagttg	aaactgatgg	aagaatttgt	660
caagcaatat	aagagcgagg	ccctcggcgt	gggagaagtg	gccctcccgg	ggcanggggtg	720
gcttgccaag	gaggagggga	agcagcagga	aaagccagag	ggggcagaga	ccaytgctgy	780
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cgtgtgataa	cccattaatc	tattaagcca	taagtggatt	aatccattcc	tgaggacctg	900
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ttatgtttca	acctgagtg	ttggagggga	tgttcaaccc	ataggaagtg	gcagtgtgga	1020
agaagtgtct	ctgaggagtg	agtcactggg	ggccattttg	agaaaacaga	aaggagaagc	1080
cagagtgtgg	gagatgaaag	cctcatggct	tggtttgtct	taaactgccc	cacagaaggc	1140
gaaaggaatg	cttgaggctg	gaccacgtgg	gtctagcgtg	tactgcgttt	ctgggtcccca	1200
gcccctgttt	taccttttgc	tcctcctgcc	ccatcaacca	agtgtcttca	tttgtttcta	1260
tggcaattaa	cttttgagaga	tagaagtcct	agcacacgag	atccccaagc	acattatcta	1320
ccttgctgaa	caggctggca	gtcacacatg	agccaggcga	cccagggaaa	tgccagccca	1380
aacgaagctg	ctgccacatc	cagagagggc	cggactcttt	ctcccttgta	gtcactcaag	1440
ctaatacatcc	aaaacctgca	tcctccatct	ccaagcccca	tcttattage	accatctggg	1500

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<210> 27
<211> 640
<212> DNA
<213> Homo sapiens
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<220>
<221> SITE
<222> (4)
<223> n equals a,t,g, or c
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<220>  
<221> SITE  
<222> (17)  
<223> n equals a,t,g, or c
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<400>	27						
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tccgaggaga	tgcttcaaaa	tgatcaattgc	tttaaaactta	aattacctct	caagagacca		120
agggtacattt	acctcattgt	gtatataaatg	tttaatatatt	gtcagagcat	tctccagggt		180
tgcagttttta	tttctataaaa	gtatgggtat	tatgttgctc	agttactcaa	atgggtactgt		240
attgttttata	tttgtacccc	aaataacatc	gtctgtactt	tctgtttttct	gtattgtatt		300
tgtgcaggat	tcttttaggct	ttatcagtg	aatctctgcc	ttttaagata	tgtacagaaa		360
atgtccatat	aaatttccat	tgaagtcgaa	tgatactgag	aagcctgtaa	agaggagaaa		420
aaaacataaag	ctgtgtttcc	ccataagttt	ttttaaaattg	tatattgtat	ttgtagtaat		480
atttccaaaag	aatgtaataa	ggaaatagaa	gagtgatgct	tatgttaaagt	cctaacacta		540
cagtagaaga	atggaagcag	tgcaaaataaa	ttacattttt	cccaaaaaaa	aaaaaaaaaa		600
aaaaaaagggc	ggcgcgtcta	gaggatccct	cgagggggccc				640

<210> 28
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (407)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (408)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (409)
 <223> n equals a,t,g, or c

<400> 28
 gaattcggca cgagtgcagc ttcattttgg gctgccttag ccatgaagct ccttttgctg 60
 acttttgactg tgctgctgct cttatcccag ctgactccag gtggcaccca aagatgctgg 120
 aatcttttatg gcaaatgccg ttacagatgc tccaagaagg aaagagtcta tgtttactgc 180
 ataaataata aaatgtgctg cgtgaagccc aagtaccagc caaaagaaag gtgggtggcca 240
 ttttaactgc tttgaagcct gaagccatga aaatgcagat gaagctccca gtggattccc 300
 acactccatc aataaacacc tctggctgaa aaaaaaaaaa aaaaaaaaaa araaaaaaaa 360
 aagaaaaaaaa actcaagggg gggcccggta cccattcgcc ctatgtnnnt cgt 413

<210> 29
 <211> 1122
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (948)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1107)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1116)
 <223> n equals a,t,g, or c

<220>
 <221> SITE

<222> (1121)

<223> n equals a,t,g, or c

<400> 29

ggcanagcta	accgcagttct	ctactacttc	ctcttcgccc	ccaccttggtg	ctacgagctc	60
aactttcccc	gctctccccg	catccggaag	cgctttctgc	tgcgacggat	ccttgagatg	120
ctgtttcttca	cccagctcca	ggtggggctg	atccagcagt	ggatgggtccc	caccatccag	180
aactccatga	agcccttcaa	ggacatggac	tactcacgca	tcacgagcg	cctcctgaag	240
ctggcggtcc	ccaatcacct	catctggctc	atcttcttct	actggctctt	ccactcctgc	300
ctgaatgccg	tggctgagct	catgcagttt	ggagaccggg	agttctaccg	ggactgggtg	360
aactccgagt	ctgtcaccta	cttctggcag	aactggaaca	tcctctgtga	caagtgggtg	420
atcaggtagg	tgggggtgtg	gtgtgtgtga	tgtggaacat	ggctgtgaac	ctgaaccgct	480
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agtggatggc	caggacaggg	gtgttcctgg	cctcggcctt	cttcacagag	tacctgggtg	600
gcgtccctct	gcgaatgttc	cgcctctggg	ckttcacggg	catgatggct	cagatcccac	660
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ctggctgcac	agcatectcc	tctgggtcca	gggaggcctc	tctgccccta	tggggctctg	960
tcttgacacc	ctcagggatg	gcgacagcag	gccagacaca	gtctgatgcc	agctgggagt	1020
cttgctgacc	ctgcccggg	tccgagggtg	tcaataaagt	gctgtccagt	gaaaaaaaaa	1080
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<210> 30

<211> 778

<212> DNA

<213> Homo sapiens

<400> 30

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cgtgtggacg	gcgagtatga	tctgaaagtg	ccccgagaca	tggcttacgt	cttcxgtggt	120
gcttatgtgc	ccctgagctg	ccgaatcatt	gagcaggtgc	tagagcggcg	astggcaggg	180
ccttgatgag	gtggtacggc	tgctcaactg	magtgacttt	gcattcacag	atatgactaa	240
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tttctgacg	acagcagtca	caaacagcgc	tcgccttatg	gaggccatga	gtgaggtgaa	420
agcctgatgt	ttttcccggc	cagtgttgac	atcttccctg	aacacattcc	tcagtgagat	480
gcaggcatct	ggcaccacgc	tgctataacc	aagtgtccac	caactacctg	ctaagagccg	540
ggagcatgga	acgtgttggtg	atcttagagaa	cattatctga	gaaaagagtt	cacttcctgc	600
tcccaggata	tttctctttt	ctgtttatga	agtacaaccc	atgctgctaa	gatgcgagca	660
ggaagaggca	tccttttgcta	aatcctgttt	gaatgtcatt	gtaaataaag	cctctgctct	720
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<210> 31

<211> 2476

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (853)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (2227)

<223> n equals a,t,g, or c

<400> 31

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tttgggtgaa	gtccttggtt	acttatcatt	actgtgtttc	tgagaagtta	taaatttgcc	180
atctccctct	gcacaagtta	cctttgtgtg	tctttcctga	agactatctt	cccgctctcaa	240
aatggacatg	atggatccac	ggatgtacag	cagagagcca	ggaggtccaa	cygccgtaga	300
caggaaggaa	ttaaaattgt	cctggaagac	atctttactt	tatggagaca	ggtggaaacc	360
aaagttcgag	ctaaaatccg	taagatgaag	gtgacaacaa	aagtcaaccg	tcatgacaaa	420
atcaatggaa	agaggaagac	cgccaaagaa	catctgagga	aactaagcat	gaaagaacgt	480
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aaagaaatac	acacctacat	ggaaatgttt	caacgtgcgc	aagtttgccg	cggcgggcag	600
aggactacta	cagatgcaaa	atcaccctct	ctgcaagaaa	gcctctttgc	aaccgggtaa	660
gtttgcttgt	tttccttgc	tttggacata	gtctgccagg	tcaggacatg	gatacathtt	720
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aaaaaaaaaa	actcga					2476

<210> 32

<211> 691

<212> DNA

<213> Homo sapiens

<400> 32

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tgaacagta	taaaaacaag	atctttacat	taagagattc	tacatttttc	tgtttacttc	180
ttgaatattg	tcctaattcta	ttttatattt	gaacatattt	tgttgatttc	tgctaataka	240

aagttaccaa	aaacttagaa	ataagacaaa	tttatcattg	catgttttcc	tttttcatac	300
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taaatgggat	tcatagagat	acgtgattta	tttcaggtag	aaaaaacaac	cctacaagat	480
tttttttttc	cagcaaaaaca	ttaaacagct	ttgcctcaaa	cttagcaaata	gtatttcac	540
atgactttct	taaactgaca	acataacaac	catttgaatt	ttcctttgaa	ccagctttac	600
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<210> 33

<211> 700

<212> DNA

<213> Homo sapiens

<400> 33

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ctttgtaaaa	atcaccactt	aaagtgtgtt	tctaaagatt	ttaggacacc	aagatgcaaa	180
taataattttt	ggctgtttacc	tgctctttca	ctactgctga	gtctgcagtg	gcaagatagc	240
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gtgacgcatg	cctgtagtcc	caggtactcg	ggaggctgag	gcaggagaat	cgcctgaacc	600
caggagatgg	aggttgcggt	gagccaagat	cacgccactg	cactccagcc	tgggtgatag	660
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<210> 34

<211> 1722

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (413)

<223> n equals a,t,g, or c

<400> 34

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gtaccagatt	gcgtggtcag	ctgacagtcg	gctcctggtc	agcggcagca	gtngacagca	420
cactgaaggt	gtgggatgtg	aaggcccaga	agctggccat	ggacctgccc	ggccacgcgg	480
atgaggtata	tgctgttgac	tggagtccag	atggccagag	agtggcaagt	ggtgggaagg	540
acaaatgcyt	ccggatatgg	aggagatgag	acggcccaga	gttctctctg	acccccacct	600
cgactcggcc	tctgccagct	gccttcacct	ccagagaaca	aaggctgaga	tggcagtgca	660
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tttccaaacc	atccttgtat	aaactgctca	gaactaraaa	aaaaaaaaaa	aaaaaaactc	1680
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<210> 35

<211> 878

<212> DNA

<213> Homo sapiens

<400> 35

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ggatgattgc	ggtggagcct	tcactatggg	tgtcatcggt	ggcggagctc	tccaggccat	120
caagggtttc	cgcaatgccc	ctgttggaa	tgggcaccgg	ttgagaggta	gtgccaatgc	180
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caccatygac	tgtggcctgg	tgcggcttcg	gggcaaggag	gatccctgga	actctatcac	300
cagtggagca	ttgaccgggg	ctgtgctggc	tgcccgagct	ggcccaactg	ccatggtggg	360
ctcagcaatg	atggggggca	tcctgttggc	cctcatttag	ggcgttggca	tcctcctcac	420
tcgctacaca	gcccagcagt	tccgaaatgc	gccccattc	ctggaggacc	ccagccagct	480
gccccctaag	gatggcaccc	cggccccagg	ctacccagc	tatcagcagt	accactgagg	540
aagccactgc	caccatggga	gctacttctc	ggttcctcc	ccgatggtct	acctcgaagg	600
gagggctggc	tcccagttag	ccctgggacc	ctccagagag	ggtttctact	ctgctcccta	660
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tcagggcacc	ccagccccac	actcacatgt	acgaagttct	cacccagct	cctttgtgtg	780
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<210> 36

<211> 954

<212> DNA

<213> Homo sapiens

<400> 36

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ccagcgcacc	ccaagaggat	gggggttcac	cacctgcacc	gcaaggacag	cctgaccag	180
gcccaggagc	agggcaacct	gctcaactag	ggccctgct	ggccttcctg	ccattgctgc	240
accaggactg	caaggagtcc	ccacaccttg	gcagctcagg	gtccccagtc	caagcccttg	300
acctctctct	tatccagacc	cgcacagctg	tttctgtgt	ggatggggtc	aggttgtggg	360
ccatgccagg	cctgtcagct	gcgttgactg	actgcagcag	cttgccctcat	ggttttccct	420
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caatcagccc	aacccagccc	agactgggct	tttctgggga	gctgaggagt	ttatcagtat	540
tcatcttoca	tcctttcata	gtcacaagtt	ttgttatttt	gttttttttt	gggggtgatg	600

gtgtaattgt	taacctcatt	tccgttttct	acctgtttgc	ttccccccc	agtcctccgc	660
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<210> 37

<211> 793

<212> DNA

<213> Homo sapiens

<400> 37

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tggctaacaa	ttctttcctg	ggcaggatgt	aaaattttcc	tctcctctaa	taccagtact	180
gttgagctca	cattctccca	cttttctctt	tttcagggtg	ttcacgtatt	tgggatttta	240
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ggggctctta	agagattaca	gttcttaaaa	cctggaaagt	gacaccagag	aggtagatct	360
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ttggaattga	gggttagggg	ttccagaagg	acttagttgt	cctgtgcttt	tgtctgcccc	720
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aaaaaaaaaa	aaa					793

<210> 38

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (35)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (42)

<223> n equals a,t,g, or c

<400> 38

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cacttgtacg ctgtaacctc atctacttct gatgttttta aaaaatgact ttttaacaagg 180
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tttgtgattt tatttgtgca ggtcatgcac acagttttga taaagggcag taacaagtat 300
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cacctctgta cagagaatac acctgcccct gtatatcctt ttttccctc ccctccctcc 420
cagtgggtact tctactaaat tgttgccttg ttttttatTT ttttaataaa ctgacaaatg 480
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agtcgtatta caattcact
559

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<210> 39
<211> 1263
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (1091)
<223> n equals a,t,g, or c

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<400> 39
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atttttaatt gcatgcaaaa cctagttacc ataaaaacca atgcaatacc aaaatatctc 180
agcttcctag catagactcc aggtcttttc atttccaata cttggcagtc ataatatgta 240
cactttcata tgcacctggt tgtggaggga taagctcatt cacataggac taaaaatatc 300
tctcacaggt aggagggcac aaaagaacaa tatcttctc cacttttttg ggtccatctt 360
gaaaaacaaa aaaggcactc ccaaaggttc cttggtaaca cctttgttag gtttcttaat 420
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caaaaactgt atacttgttt taaaaacatt tgggccttgt ttccykgaca acttatatat 600
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atatgacatg gtgacagaag actctttgaa tcattattct gttttccact atcagctgct 720
ccagctccct tatactaate caactttgtc cctcagagca cccatgctct gaacctaggt 780
ttaatctctc tgcTGaaaga tttattaaag atacttagat aaattaccaa gtctttctct 840
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gtt
1263

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<210> 40
<211> 455
<212> DNA
<213> Homo sapiens

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<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

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<400> 40
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attggcagga gattatccag aacatctagg tgcaggtaaa cagttctaag tccaagaagt 120

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tatggagggga	ttgatgctac	cactttctaag	tgttattttat	tctgaaggaa	ctgtatggga	180
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gaatgactaa	tcagtcattc	agtcaataac	actgaccacc	tactatatgg	tagtcattgt	300
tctaggtatt	gagcatgtaa	tgggtggaaga	taaatggcag	atgagaatcc	tgcatttaga	360
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attcattttcc	aaaaaaaaa	aaaaaaaggg	cggcc			455

<210> 41
 <211> 1128
 <212> DNA
 <213> Homo sapiens

<400> 41						60
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gaatgagttg	tatagttttt	tctatcacat	ttcatctaaa	atgatttgaa	ggacttttga	240
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gctttttcagt	tgttacagag	ctcagcagct	gtgggtgccc	ctgttctaca	ccaatttcag	1128
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<210> 42
 <211> 648
 <212> DNA
 <213> Homo sapiens

<400> 42						60
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attagcatat	gaggcaaagt	ggagatcgaa	gttttttatt	ttccttatga	ataccagtt	240
gttccaacac	cacttattaa	aaacactata	ctttatccac	tgagtttggt	ttgtaccttc	300
atcaaaaacc	agttttcaat	atatctgtgg	attaaatttt	ttatttttat	gtttattttt	360
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atcctatctc	aaagaaaaaa	agagttattg	tgttatatct	tttttaattc	attttctttt	600
aaccctttat	atccttatat	ttaaactaga	gtttctgtca	agtgcactcc	agcctgggtga	648
caaagcaaga	ctccgcctca	aacacaaaaa	aaaaaaaaaa	aaactcga		

<210> 43
 <211> 736
 <212> DNA
 <213> Homo sapiens

<400> 43
 tctgagttttt tttttttttt tttttgagac tgaatttcac tcttggtgcc caggctggag 60
 tgtaatggtg caatctcggc ctgggcgaca gagcgagact ccgtctcaaa aaaaaataaa 120
 taaataaaat aaaattaaat taaaaaaaaa aaaaaaaagt ctgctttgaa aaccagtatc 180
 catagacttc tggcagtcac ttctgggggt taattttgga tgtgacaaag gtttgtttcc 240
 actggactta attttttcac atcgctctaa cttttgaaaa cacagataca gtccttttgc 300
 tgaataaaat gaaaactcga gcctaaattt aaaggcatag atatttcctg gacttccagg 360
 acagtaatat catgtactac tttgtcaaaa aaattttctg gaggtttttc tagaggaaga 420
 aactaagata acaacaacaa aaaagacaaa tccaaatgca ttacttgaag agcgactact 480
 catgttttcta gagaattttt tggtcatact atgtcatggg gttatttcct gggggcttca 540
 gttctgcttc agaattttct tagtagttat ctactgacct catctggtaa aattatagag 600
 gaagttacag tctgtaaagc ttctgtcaac tctgatttcta aaaattttat gtaaagagat 660
 attttaagag aaataagaaa ataggagatc agggc aaatg aatctaaaga tcttttagctt 720
 tactcgtgcc gaattc 736

<210> 44
 <211> 600
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (549)
 <223> n equals a,t,g, or c

<400> 44
 gggctgaccc acgcgtccgc caaatcccag tctttaccat ttcatatcag gatcgttgtg 60
 tgagggaata acttggtttt ctgtcctcag tttttctcaa tttcaatcca tcttataaat 120
 ccagcaaaa ttaattttcc taaagacact tttagaattt ctgcaatagc tccttgagat 180
 caggatgcca gggatattca ttctgttcat gacactagct agcacatttg atcagcgctt 240
 gttaaacgat tctcaaccca aagatcactc ctagggaaaa agtctccaa tggcttcccg 300
 ttgccttcat ggtattaaac ctgcaattcc agagctcgat atttaaattt tttagggggc 360
 tggaattttc cataatactc cttggctatc tactaaacac taagtactag gcatacagaa 420
 ataacagata cacttgggtc aggcacgggtg gctcacgcct gtaatoctaa cactttggga 480
 ggccaagggtg ggtggatcgc atgagctcaa gagttcaaga ctagcccagg caacaaagga 540
 tcctgtntnt acaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaggcgccgc 600

<210> 45
 <211> 687
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (57)
 <223> n equals a,t,g, or c

<400> 45
 aattcggcac gagaaaaaat aaaaaaaaaa agccagggtg ggtgggtgggc acctgtnatc 60
 tcagctacgt gggaggctga ggcaggagaa tctyttgaac ctaggaggca gaggttgcag 120

tgagccaaga	ttgtscacag	ctgggacgaca	ggtgaggctc	ttgtctcaaa	aaaaaaagtc	180
cacatcttca	tgaaccctca	gactctggag	ttgggtgtcg	gcttttttag	ccagcttttg	240
tgggaattgc	ctttgacctt	ttaaagaagg	aaagtgggta	atggagtccc	agccactcaa	300
gagactggat	atcccccgag	aatggccttg	gttaccagct	atggaccctt	ggaagatgaa	360
tctaactcct	ctcactgggt	tttctttgca	aattcatttg	cttttatttt	tctaataaca	420
ataaactcta	ttttccatgt	tctcagggcc	cctgggtaga	cagacacagc	ttgatttcag	480
agcagacata	ggcgaagaaa	acatggcatt	gagtgtgctg	agtccagaca	aatgttattt	540
atatacacat	ccaaatttga	agagaaaatg	tatttcttta	ggtttcaaac	actgtaatat	600
atataaagca	aaaaataaaa	cctgttgcaa	agttcaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaag	ggcgggcc				687

<210> 46
 <211> 697
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (97)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (394)
 <223> n equals a,t,g, or c

ggccgccctt	tttttttttt	tttgataaaa	gaaaagattg	gtcttgtctc	tgtaaaactg	60
aggaacaatt	acttttagata	actgggtgta	gttttctnct	tctttcttga	cggaagcaaa	120
acagatatgg	gttctaccct	caagaagctt	tagatgaatc	agagatatag	acataaaaata	180
aagaactata	aaacaattca	ttacgcttat	gatagctgta	ataataaaaa	agtacaggga	240
acaataatat	catataacag	agggataaca	tcacacaggg	aacaacagta	tcacatagca	300
gggatatata	caaggatcct	aggtaacctg	gtctggatat	atacaaggat	cccgggtgac	360
cgggtctggc	tggttaagagg	tttccttgag	aaancgatca	gtgagagctg	agagagaagc	420
aggcagagca	agktgatggg	gcaggggtgg	ggagagagca	gaagcgtgac	ccaagagggt	480
cccaggccaa	aaccttttgca	ctcagtgact	ctgaaagaat	gcagaggggc	tgtgggtcaa	540
agctgcagct	ggaaaggtaa	gagggggccag	gcactgcagc	accatgtgga	tcacactata	600
aactttgaat	atcatcctaa	gagaaatggg	aaaccaatta	tggattttta	aaaggaaata	660
tttttatttc	cattttaacc	ggacgcgtgg	gtcgacc			697

<210> 47
 <211> 286
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<400> 47

ntnctagcac	tcaggagtcc	aaaccattgc	ttttgggtta	gaatgcatga	agaacatgca	60
cgtctatctg	aactacaata	actttctgct	tartctactt	aggctaattg	tgaacatttg	120
ttcattcaca	caaccactgg	tggcagaaga	agagagacct	cttacaccac	tatagcatag	180
gagctgcaat	gtcacatgag	ttttaaaaga	tgctytttaa	agaaaaaaaa	aaacamgrag	240
sargaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaggg		286

<210> 48
 <211> 858
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (843)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (847)
 <223> n equals a,t,g, or c

<400> 48						
ggccgccttt	tttttttttt	tttgataaat	acaaagatac	atgtaaagtt	ttacttacct	60
gatttttaaaa	acaggctacc	aaaatttatc	caaatatatt	aaaaaatgag	actgttttaa	120
aaaccttttcg	tttccatatt	gtgactccac	taagcgggta	aaaagttcag	gacagagatg	180
gaaaggaaaag	aaggaaacag	gaagaagtga	aactaggaag	gtggtgccag	tggcacatgg	240
atgaagaaaag	agagatcatc	agccatggag	aattttgtaa	tgtaagtaga	gagagagatt	300
gggtaggaag	acaggcttca	cagtttgtaa	agtgtaaagg	aactacccat	cgtaccctgt	360
cattgactag	ggctgtgagt	tatgtagttc	tgtctcctct	tgcaaaagac	ttaccacttc	420
tggcaagtga	ttaaccactt	ctggcaacte	ttcattttctt	cttatccttg	aatattcatc	480
tacatcactc	taaacagcac	agccccagaa	gcatggaaaag	gggagttatt	agtatggaaa	540
ggggagttac	tcttctggtg	tagtggtccg	attgagttcca	tggcttccca	gccttaccag	600
agctgataaa	aatgtcaatt	cctttggggc	caatcttgct	cctccagtgt	gttttagccc	660
taatgaggtc	atggttattt	ctagacttct	gagacttact	gtggctttga	attgacacaa	720
acactaattt	tctgtcaaag	gctagagtga	tggatgttat	atgcctgcgg	acgcgtgggt	780
cgaccgggga	attccggacc	ggtacctgca	ggcgtaccag	ctttccacta	tccgtgcgtc	840
agnccnact	gtaaccct					858

<210> 49
 <211> 1307
 <212> DNA
 <213> Homo sapiens

<400> 49						
ggtcgaccca	cgcgctccga	gccgcgaggg	agaggccgcg	gccccttccc	gttgcttgcg	60
gccaccggcc	ggcattcaga	gcccctcgcc	tggcgctaaa	tttaaaaacg	taacacgagc	120
agcaggctgg	tctcggaaac	gaaacgaaat	tcggtccctg	ggcctcctcc	cgggcgctgc	180
cggtccctca	gcgcgcgcgc	ccacccgga	cagacccttc	tcccgccatt	ttcggcgggg	240
ctgggagact	gaggcccgcg	gcgctgagcc	tgcggcgccc	cggaagaggc	gggcggcatg	300
gccgctggcg	tggactgcgg	ggacgggggt	ggcgcccggc	agcacgtgtt	cctgggtttca	360
gaatatttta	aagatgcttc	aaagaagatg	aaaaatgggc	taatgtttgt	aaaactgggt	420
aaccctgttt	caggagaagg	agccattttac	ttgttcaata	tgtgtctaca	gcagctgttt	480
gaagtaaaaag	ttttcaagga	aaaacaccat	tcttggttta	taaatcaatc	agttcaatca	540
ggaggtcttc	tccattttgc	cacacctgtg	gaccccttat	ttctgcttct	ccactacctc	600
ataaaggctg	ataaggaggg	gaagttttcag	ccccttgatc	aagttgtggg	ggataacgtg	660
tttccaaatt	gcatcttggt	gctgaaactt	cctggacttg	agaagttact	tcacatgtg	720

acagaggaaa	aaggtaatcc	agaaatagac	aacaagaaat	attacaagta	cagcaaagag	780
aagacattaa	agtggctgga	aaaaaagggt	aatcaaactg	tggcagcatt	aaaaaccaat	840
aatgtgaatg	tcagttcccc	ggtacagtca	actgcatttt	tctctggtga	ccaagcttcc	900
actgacaagg	aagaggatta	tattcgttat	gcccatggtc	tgatatctga	ctacatccct	960
aaagaattaa	gtgatgactt	atctaaatac	ttaaagcttc	cagaaccttc	agcctcattg	1020
ccaaatcctc	catcaaagaa	aataaagtta	tcagatgagc	ctgtagaagc	aaaagaagat	1080
tacactaagt	ttaatactaa	agatttgaag	actgaaaaga	aaaatagcaa	aatgactgca	1140
gctcagaagg	ctttggctaa	agttgacaag	agtggaaatga	aaagtattga	tacctttttt	1200
ggggtaaaaa	ataaaaaaaaa	aattggaaag	gtttgaaact	ttgaaaataa	aatctagcaa	1260
aaataaaaaa	aaaaaaaaaaaa	aaaaaaaaaaaa	aaaaaaaaaag	ggcgggcc		1307

<210> 50
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (606)
 <223> n equals a,t,g, or c

<400> 50		
aaaaattgga	gacactgttt aacttctgtg catggactcc atcagcakt acaaagccay 60	
tgggaggctg	aggatcactt gagcccagaa gtttgaggct gtagtaagct tcaaaggcca 120	
ctgcactcta	gcttgggtga ggcaagacc tttcaagcag taagctgcat gcttgcttgt 180	
tgtggctcatt	aaaaacccta gtttaggata acaggtctgc ctgcatttct tcaatcatga 240	
attctgagtc	ctttgcttct ttaaaacttg ctccacacag tgtagtcaag ccgactctcc 300	
atacctttta	aaggatatgac aggaactgtc ttcattgtcct tacccaagca agtcatccat 360	
ggataaaaaac	gttaccagga gcagaaccat taagctgggc caggcaagtt ggactccacc 420	
atttcaactt	ccagctttct gtctaattgcc tgtgtgccaa tggcttgagt taggcttgc 480	
ctttaggact	tcagtagcta ttctcatcct tccttgggga cacaactgtc cataagggtgc 540	
tatccagagc	cacactgcat ctgcacccag caccatacct cacaggagtc gactcctact 600	
cttagn		606

<210> 51
 <211> 547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<400> 51	
gggcncccca	aaaattcccc cnrggttttt tttttttttt tttgttttca agaagaaaga 60
agcaatgcag	caaagtgggtg cagaacacag gagctggagc cattcagacc caagtccaac 120
tcttgacctc	gcccactttc tctacagtcc tgagcaatta cacctgccaa gcaccttccc 180
aatggacaga	ctggcaggcc ctactcccaa caggcatcca gactgagcat caccaaggat 240
gggacaaaca	gaagcaatgc aagaggaaat gcgaacacga acatgcacca ctacaccaca 300
acctatggaa	acaatcaggc aaaacaagac taggagacat atgacaagaa aacaggcctg 360

gacgcttcaa	aaatgccaat	gtcacgaaag	acaaaaactg	ggcatgctct	tctggatcaa	420
aggagactaa	agagatataa	caaccaaaca	caataaaaact	atcctagatt	acatcctgga	480
tttttttaaaa	gcaaaaaaga	acaatttggt	aacaactggg	gaaagtgtta	atgtgggtac	540
atttttaa						547

<210> 52
 <211> 865
 <212> DNA
 <213> Homo sapiens

<400> 52						
gctgaatata	aggaaatatg	tctaattggac	accagttaat	acttttttaa	actactcttt	60
aaaaaaaaaa	tacgttcccc	ttggtttaact	gatttttttaa	tccaggggtg	acattttttc	120
aaccttttatt	aaaaagacaa	ataaactatt	ttgtagaaga	tcagactcct	acttaactgg	180
aagagaaatg	tctattaaat	gtctctcctc	tttctctggg	tcaagaccat	gtaattttat	240
gcttcagaga	tgaagatact	gtttgtttac	aaagagttaa	gtttttaaga	catccaaaac	300
tctatgctag	agcaaaaatc	aaatagcaaa	ggacactagc	cagaaaatac	agtgtgtgtg	360
tgtgcacctg	tgtgcctgct	gaacaacttg	acagtgtaac	agataaggta	actgaagatg	420
gtggatatatt	gaattgtatt	agcttaatgt	ctacatatct	ttggccaaaa	ctctattgtc	480
atattagaaa	catgttatct	ttttcatggt	tattagtaat	ttatttttga	ttctttgttt	540
tctttttcgt	ccaactaaaa	caactgtaat	gtacttgata	catttatatc	aagttctaaa	600
gtatttagac	aaatccaaat	actttgtttt	tagttttttc	ctcctttcca	tcctgttaac	660
cacagtgaag	cgctgcagta	ttttgatttg	gtcagtgtca	cggaggaaga	ccatgaaagc	720
tgaattgggtc	tgtgccaccc	agagtaaacc	tcttctcttc	ttctggaaag	atggcgtgat	780
gtttttcaag	gattctaata	aatatcccg	agtcactctc	tgaaaaaaaa	aaaaaaaaaa	840
aaaaaaaaaa	aaaaaaagg	cggcc				865

<210> 53
 <211> 689
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (309)
 <223> n equals a,t,g, or c

<400> 53						
tcgaccacg	cgtccgattt	tctgataaga	cgattactaa	gacaaaacttc	tatcctttta	60
cttagtaagc	atcatgacat	catatataat	caacctatct	ttcttcttac	ctttggcaac	120
tcggaaggtc	agtgtctaagc	cttgtgggta	accctagtag	tgacatccct	tcttatgtct	180
tagtaatcgt	cttatcagaa	aatatcatat	aaaataaaca	caaagtaaag	tttttactta	240
aaaagatctg	tagatatttc	actaactcta	ttaatgcttt	ggtaatagct	atttaactta	300
taatcctgnc	ctagatcaag	ttttgaggcc	tcagtgttat	tcattccttg	ggctaagagc	360
cactgaaatg	ggataattat	tgggtacagt	acttctctct	tttaaatggg	ttctgttctg	420
ccattttactc	tttatttgaa	attgccttct	tttaaaagtt	attcttaata	ttgtaagcta	480
tttgaaaata	ggtgagccat	aaaaataaat	attaataatg	tattttcta	tatcttatct	540
aacaaaaata	ataataaata	tccacttttag	aaaatttgga	aaatcatgaa	ggtataaata	600
ctaaaatcga	aattctctat	aagatcaata	ttcagatttg	acctcaggca	aacacagaaa	660
ttaaagttaa	aaaaaaaaaa	agggcggcc				689

<210> 54
 <211> 515
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (3)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (20)
 <223> n equals a,t,g, or c

<400> 54
 tanntgnatc cccccgggcn tgccaggaat tcggcacgag ttacaactgg tggaccacac 60
 accaggcact aatcacctgg tgaggatttg gcatatccac caaaaaatgc atccgattta 120
 accaacatct ccaccagegc tacggactcc tcccaattct gacatctctt gcagacaata 180
 ctatgctctc tacacactgt ttagaaatgg aaagggtgatc tgcactgtat cttggggtttg 240
 ttggctatgc ttcctttgat gacatatatt atacagtata tatatacata tattttwww 300
 gttagagttc tagccatttt atttctccgc agggtccttt ctcagacatt actgcatgct 360
 gtatatggcg ttagctgtgt gttgatcttc taaaagatga tagagtttac tggtaattgt 420
 gtaatcagct cctgcctttt tattttcttg gggtatttac atgtcagaga catttataaa 480
 aagtgaagg ataaaaaaaa aaaaaaaaaa ctoga 515

<210> 55
 <211> 747
 <212> DNA
 <213> Homo sapiens

<400> 55
 aaaaaggaag aaaagaaaaa aaggaaacca gccctgtcat ggaatttctc tccttccctg 60
 cacagtaaag acttttgggt tttcatggat aaaatcaatg tcagtactga aactccta 120
 ctccccctcc gccccactct cccccgttgc ccgagatggc caagttcagg cctgtgcaat 180
 gccgcttccc tctgagcctc cctctcaagg gccacgcagg cagctgcagc agggccagct 240
 gcaggatggg gctgccgggc actgaattgt cgttcaaatg catcatcttt gtggcgtctt 300
 tctcatgcga gcaaagccac gtgctctcct gtctgtctgc acatctgtgc ctggattgct 360
 taaatattgt ttgtgatggg gaggttttaa tctgggtgatg cagagggaag cagggctgtg 420
 ggggcacggt taattggctc ccagcagcgt ggggagtgct tctatggtgt gtgggggttt 480
 ttgttgctc cctctagaag tgttacggtt ttcacgtcct attaatgtcc tctgggtgtt 540
 aaattacagc agcacattac agtgcactgg gttccctcct ggagtgaata caaacggagg 600
 gcatctactt gtatttttag aagttttggg agaatttagt gatttgtggc twtgcataat 660
 cctgttgact ggtgtatgtc tgcgcaaacc tgtttcaaat aaatcttttg ttaaagtaaa 720
 aaaaaaaaaa aaaaaaaaaa aactcga 747

<210> 56
 <211> 676
 <212> DNA
 <213> Homo sapiens

```
<210> 57
<211> 832
<212> DNA
<213> Homo sapiens
```

```
<210> 58
<211> 1003
<212> DNA
<213> Homo sapiens
```

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<220>  
<221> SITE  
<222> (700)  
<223> n equals a,t,g, or c
```

```
<220>  
<221> SITE  
<222> (758)  
<223> n equals a,t,g, or c
```

<400> 58

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ggtcgaccca cgcgtccgga ggcccgcagc ccggggcggcg cagggtagag cgcgcgggac      60
ccggccacgc agcccgggga ctcccggggc ctcccgggag cccgcggggg ccccgccgtg      120
catccggcgg gctcagggag cgagtgggag cgccctcccc ccgctgcccg ctcccccgag      180
catcgagaca agatgctgcc cgggctcagg cgccctgctgc aagctcccg ctcggcctgc      240
ctcctgctga tgctcctggc cctgcccttg gcggccccc gctgycccat gctctgcacc      300
tgctactcat cccgcccac cgtgaagctg ccaggccaac aacttctcct ctgtgccgt      360
gtccctgcca ccagcactc agcgactctt cctgcagaac aacctcatcc gcacgctgcg      420
gncaggcacc tttgggtcca acctgctcac cctgtggctc ttctccaaca acctctccac      480
catctacccg ggcactttcc gccacttgca agccctggag gatctggacc tcggtgacaa      540
ccggtacctg cgctcgctgg agcccgcac cttccarggc ctggagcggc tgcagtcgct      600
gcatttgtag cgtgccagct cagcarcstg cccggcaaca tcttccgagg cctggtcagc      660
ctgcagtagc tctacctcca ggagaacagc ctgctccacn tacaggatga cttgttcgcg      720
gacttgacca acctgagcca cctcttcttc cacggganag cctgcggctg ctcacagagc      780
acgtgtttcg cggcctgggc agcctggacc ggctgctgct gcacgggaac cggctgcagg      840
gcgtgcaccg cgcggccttc cgcggcctca gccgcctcac cctcctctac ctgttcaaca      900
acagcctggc ctgytgccc ggcgaggcgs tcgcgcacct gccctcgctc gagttrctgc      960
ggctcaacgc taacccttg gcgtgcgact gccgcgcgcg gcc                                1003

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<210> 59

<211> 702

<212> DNA

<213> Homo sapiens

<400> 59

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gaattcggca cgagctgggt catggatttt gagaatcttt tctcaaaacc cccaacccg      60
gccctcggca aaacggccac ggactctgac gaaagaatcg atgatgaaat agatacagaa      120
gttgaagaaa cacaagaaga gaaaattaaa ctggagtgcg agcaaattcc caaaaaattt      180
agacactctg caatatcacc aaaaagttcg ctgcatagaa aatcaagaag taaggactat      240
gatgtatata gtgataatga tatctgcagt caggaatcag aagataattt tgccaaagag      300
cttcaacagt acatacaagc cagagaaatg gcaaagtctg ctcaacctga agaactctaca      360
aagaaagaag gagtaaaaga taccaccacg gctgctaacc aaaaaataa aaatcttaaa      420
gctggtcaca agaatggcaa acagaagaaa atgaagcgaa aatggcctgg ccctggaaac      480
aaaggatcaa atgctttgct gaggaacagc ggctcacagg aagaggatgg taaacctaaa      540
gagaagcagc agcatttgag tcaggcattc atcaaccaac atacagtgga acgcaaggga      600
aaacaaattt gtaaattatt tcttgaaagg aaatgtatta agggagacca gtgtaaattt      660
gatcatgatg cagagataga aaaaaaaaaa aaaaaaactc ga                                702

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<210> 60

<211> 1095

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (556)

<223> n equals a,t,g, or c

<400> 60

cccgggcagg	aggggtcaggg	ccagatggag	gggccaccaa	ggacatgggg	aagatgctgg	60
ggggtgacga	ggagaaggtt	ttgctttctta	cgaacgccac	ggcgtnttc	acttctaaac	120
taaaggaaac	aaagcaatag	gtttggggga	cgcccagccc	ccaccccggt	caccccgctc	180
ttcccaagtc	ctcgccccc	gnccggcctc	ctagcctctc	cgcccacgcg	gctgctgctt	240
ctccctgggg	aggacccctg	ccctcgcca	ttgaacactg	cacctccac	aggagccgca	300
gaggcccgag	gcaccggacg	ctggagaccc	tgcgccctg	cccagcacct	cctccgtggg	360
cagctcctcg	ggtggggcct	gcggggttcc	ctgcgcgcac	tggcgcgtgt	gtggcctaata	420
ccacctggtg	gccctgcggg	gcggcacccg	agccctgtt	tctcctccat	tcagtgttaa	480
tttgcatcac	aatttggtga	atctcaggta	aatgaggtct	ttgcatttaa	tgagttttat	540
cttgacaggc	gccgntcgc	ccccggggcc	tttcgtccac	akcaaaaatg	catcaagtct	600
ccacgtgttt	cgggcccagg	cgtggcttgg	cattgacctt	catgacctta	catagcttta	660
gagaagccat	aacgttagac	tgcaataacta	acgaccgacg	cccctccggg	cagagaccac	720
cgcgccccctc	tgcgccccag	cgacgcggcc	cgcggggacg	tcgctgtccg	tcctgctcgc	780
cctgtgccct	ctactgact	tctcccgggt	cgtgtctttt	aaaaactcct	gttttcacac	840
cttacaaaagc	cagctctgag	cagacagggc	gtcctctcgt	agaacctgcg	caccccgctc	900
ccagcgcagc	gcgccccggg	ccgcgagctt	agcttagacc	gtggtgtcct	ctgtccgtct	960
gtcctgcgcc	tgccctcct	cctgcagtgc	ggggcccttg	cgtgtgttct	ctccggatgg	1020
aatcacagcc	aataaacacc	agtgatttca	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1080
aaaaaaaaaa	aaaaa					1095

<210> 61

<211> 867

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (831)

<223> n equals a,t,g, or c

<400> 61

tcgagttttt	tttttttttt	tttttaagta	gagatggggg	ttcacctgtg	tagccaggat	60
ggtctcgaac	tcctgacctc	gtgatccgcc	cgctcgggcc	tcccaaagtg	ctgggattac	120
aggcatgagc	cactgcgccc	agccggtctt	tttaaacatt	ccccaggact	gtacagccaa	180
cccatactca	cctgacattt	gggaactccc	ccccacggcc	ataactgate	tgacagaggta	240
agaccaagag	caagaatggg	ggattcacat	ctaaggctctg	gtgatggctg	atgaaggaag	300
aagaatcagc	gaacaaaagc	ctctaggtct	ttcttaaccac	aaacacctct	ctgcccacct	360
gctttgaaag	gggcagaagt	atagtgggcg	agctgcccac	ctgctacagt	gaagggatct	420
ggagaaatac	tcacactttg	aggtgctcgc	cctcttcac	agccagctct	aacttaagcc	480
aatgacccca	cgggagctta	cacaagtyca	aacaggccca	aatgcattca	tgagcagggg	540
gaggccaaaag	gactccggag	gagagaggcc	caataaggct	ggtgctatct	ccgatccata	600
gagagagcag	aggtgggag	gcccttttga	ttaatgtatc	attcttgaat	gcaagcttca	660
aaatccgggt	atgcccgggt	agaatgagca	ggactaacac	ctgggtgtca	tggaagcct	720
ccagggccga	ctggccagag	acagatccgc	aagaggctct	gcagccagct	ctgggtgccc	780
gccactcgga	tttgaacccc	ggctcctcaa	ggtcagctgt	gtagccttga	ntgaaycacc	840
tgctatgacc	aatctcgtgc	cgaattc				867

<210> 62

<211> 1134

<212> DNA

<213> Homo sapiens

<400> 62

tctgaaggtc	tcagcttccct	agatgtttcta	cactcttccct	gaccatttttc	actgaaccct	60
atttgattta	ctgaaagcat	atttactaat	tgtttgcact	taaagggtgt	tttatccctag	120
aataaacaat	gcttttataaa	caattcacta	ttctaaattg	atactggctt	aagatgttgt	180
tccagtgtca	ggtattgtta	tcgatttttt	ctttccctaga	acctgtccct	tccagtggct	240
ccagtagact	tgtattttat	aatcttttcaa	atattatgta	gcttggttaa	cttcccatca	300
tgatcttggt	cagttttctca	actcatttgc	aaaagagatg	actagcatgg	gagcctggat	360
tccagtatct	gttttagtgc	cttattagtg	cctcttagct	taggttcttt	tgatgattca	420
gcgtccagat	aatccaaggg	agtgcactgta	atcatagggg	tttctagtag	aatgcaatca	480
tgagccctt	aggaagtttt	ggtcaataat	aaaccacaca	taggggtggg	gtcccctaag	540
attataatga	agctagaaaa	ttcctcttcc	ctagtgcgtt	gtagccatcc	cacactatag	600
tagtgcaacg	cgttactcac	tgtgtttgtg	atgatgctgg	tgtaacaaa	cccgcactac	660
cagttgtata	aaagtatagc	atgtacatac	atttatatgt	agtacatata	ttgataataa	720
atggctgtgt	tactggctta	tgtattttact	atgtttttta	attgttattt	tacagagtac	780
atcttctact	tattaaaaga	agttaactgt	aaaacatcct	caggcagggtc	cttcaggggg	840
tattccagaa	aaaggcattg	ttatcgtagg	tgatgcacgc	cctatgcacg	tttttcacca	900
gtgggatgaa	atatggagat	ggaagacagt	gatattgatg	atcctgatct	ttgcaggcct	960
aggctaattg	gtgtttgtgt	cttataagaa	aaaggattaa	aaaagaaaga	attttttaaat	1020
ggaaaaaagc	ttatagaata	tgaatataag	gaaagaaaaa	atttttgtac	aactatacaa	1080
tgtgttggtg	ttgtaaacta	aatgtttatta	caaaaaaaa	aaaaaaaaac	tcga	1134

<210> 63
 <211> 1448
 <212> DNA
 <213> Homo sapiens

<400> 63		
ctcaggggta	cagtacaaaa ccaaggttga tgggtaccact taaaatggac tctatcacag 60	
tgcacataag	gagcaccaac ggacctatcg atgtctattt gtgtgaagtg gagcaggggtc 120	
agaccagtaa	caaaagggtct gaagggtgtcg ggacctcttc atctgagagc actcatccag 180	
aaggccctga	ggaagaagaa aatcctcagc aaagtgaaga attgcttgaa gtaagcaact 240	
gatggcattt	gagaatttat gtatcactga gttttttggg aatatcttcg tggagaatta 300	
cgcatacaat	ttgattctca gagcaataaa ttatccatga agtgcctcgc ttctcagtag 360	
cggcatcatg	gccagtagtg tcttttagga gttcaccact tagattactg agtaattgtg 420	
gtttccacat	ttgaaaacaa ctctttttat aattattcac tgctttttgt cagtgaataa 480	
gacatcttgc	ctcctgaagt agcttcatca cagagtgtca tgaagacaga cagtcaggct 540	
gaaatggaca	gttctttgtg gactctaccc ttcccttcaa ggagtatgtc atatatcaca 600	
aaagaaattg	ccttacctg gttcatgttt gcagttactg ttgtacattg catagatgta 660	
cacacgaatt	taaatgtgat gtctttgtat atatctgtat aatgttgaga ttacttacga 720	
aatatgtctg	agtgcactt ttcacccttg tacagccaaa ataatgtata tatggaaagt 780	
gacagacaaa	ttctctaato tctttggtay ctataactta ttagaatcct ctggatgaag 840	
gttagaagag	actttttcca aacttctaca tgtagaagta tcataaatgt gctacacatt 900	
tatgtttgtg	gatttaatta agtattttta atatggtttt cagtgcataa attggagtca 960	
gatacttctt	ggttttaagc tgtctaccta attgctgtct cccagcagac tgggtggcatg 1020	
cccagtggtc	ttgggggcaa ggatagaaat gccatcagga aatagctgaa ttcattgtga 1080	
aacatgaatt	cagtcatggt gataattgga aactccttcc aggtttttgc aagtagattt 1140	
tgtaatgttt	gtgtatgcag ccttgctgtt gagtcagtcc aaggggtttt acttaggaca 1200	
agttgtacct	tgccctctct ccagctctgc tcccacattt tcacatacct agctgtttct 1260	
acctcattgg	gtaagtcatt taccactctg tgccctcagtt tactctgtag tttaccatta 1320	
gactgtgagc	tccttgaggg actttgtcat aatcactgtt acatcccagt gcctcacacc 1380	
atgcctggcc	cttaagaagt gctcaataaa tgtctgaaca aataaaaaaa aaaaaaaaaa 1440	
gggcggcc		1448

<210> 64
 <211> 756
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (354)
 <223> n equals a,t,g, or c

<400> 64
 tcgacccacg cgtccgagca tattaggatt atatgtagat ttgtatgtat tttgcattat 60
 gtacttcagt ctccagtttt tattattctc accttccgtt ttattcttgg cgaggaaaaa 120
 atgcactaga aataatacat taaactgact cttagtctta atgtacgctt gctgtcttaa 180
 ataggggtgat tgagtccaac agactcaatc atacatgtca tacatgttta tgattaagag 240
 atattctttt tgtgtgctag ttgattttgc cgagaaaaaa tgaagaagaa ttcaagaaga 300
 gatgagggtta ggtaagctct cagagcattt ctgtctgccc atttgggttct atgncttatg 360
 tgggctgcta atgtgactaa ttcagagtgt tgtatttcca catctgtgga ttccaccatg 420
 gaaaagggtg gctaccattg gtccttatat ggctttatta gaaaaataga cattctatcg 480
 tttgtctgcc cagtggccag agtcttggtg aacaacagag ctcatgggaa aycagcctct 540
 ctcagggcac cccgctatga ggatattgaa atatgttcaa tcatttctca tctcccttgg 600
 aatgtaattc cctgccctat acaaaatagg atattccaat gcgctatttg aatctaggga 660
 ttgaggattt gtagttgagt tttggggtaa aggccttggt cattgccatg gaagaataaa 720
 agttatttat taaaaaaaaa aaaaaaaagg gcggcc 756

<210> 65
 <211> 496
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (22)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (472)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (493)
 <223> n equals a,t,g, or c

<400> 65
 ccgtgatgtg gcgcctgcac antcctttcc ctttcggatt cccgacgctg tgggtgctgt 60
 aaggggtcct ccctgcgcca cacggccgct gccatggtga agctgagcaa agaggccaag 120
 cagagactac agcagctctt caagggggagc cagtttgcca ttcgctgggg ctttatccct 180
 cttgtgattt acctgggatt taagaggggt gcagatcccg gaatgcctga accaactgtt 240
 ttgagcctac tttggggata aaggattatt tggctctctg gatttggagg caatcagcgg 300
 acagcatgga agatgtgtgc tctggctcgg ataagagatg ggacatcatt cagtcactag 360
 ttgatggca caaggctctt cacagacgca tctgtagcag agtggawctt gtactaactt 420
 atgatagaat gtatcagaat aaatgttttt aacagtgtwa aaaaaaaaaa rnaggrgng 480
 agtgggtggg gtngag 496

<210> 66
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (16)
 <223> n equals a,t,g, or c

<400> 66
 gcagggtaccc gggtccnggaa ttccccgggtc gacccacgcg tccgggtatct ttttattggg 60
 gtggggaaaag gggcaaaaag aatgatctta gtgtctttac ctttctcata ttaactcacc 120
 tctttattct gtggtctttt ctgaatagaa atgtatgccc taggaagaaa tcatgctggg 180
 ttttgctttt agagataaaa ggtggtggat ttattttgcc tgcagtaaag attctcaggg 240
 tgtcagagca gcatattgtc aaatcctgct tctgttttat gtttcagtgt attcactttc 300
 attttcttac ttactagacc atttctgcag ttggccaaa cctctactgt ttgggacagt 360
 aagccaaaata cctcattttt aaaaagaagt ttatcatggc tcagtgttaa taaagtacat 420
 ttttaactga gtcttaattc ctatttgaag aaaaagtaga gacaaaagta atgtcaatgt 480
 aatccccagg atcatgaaat gtatacaaaa taaataaagt aggagagtta aaaaaaaaaa 540
 aaaaaaaaaa ggcgggcc 557

<210> 67
 <211> 674
 <212> DNA
 <213> Homo sapiens

<400> 67
 gggtcgaccca cggtccgat aatgtgtagc tactgtatgc cttatttaat tatttttttg 60
 agtgtcattc acaatcacaa aacgataccc ttactgaaag tgtagtgga taaacttaat 120
 tgcataatta cggacctgtg tatttccaga gatgatgtt tccccactac atgttaagat 180
 gtacgtatct aatgacaatg ctgtttgttg tatgagaact tgagacagaa gatttagtag 240
 gattatccag tgacagtcag tacagggtgc gattaagctg tccttctggc tcttggcctg 300
 gtatatgttt gtctctggcc atgcagttac agaatagggc aggtggcatg tttatatatg 360
 cctttgatct cacagaagtt ggtgagcttt cctaagtggg gaattttaga gctagatagg 420
 attgtttgtg gagagggggc agggaatgga gagttgattc ttcactcttc tgtggtgcag 480
 ttgaatttac atgtagctgg aactgatttt ccaagggatt atgatggcaa tgagcttaga 540
 agattggttg gggttttagca cttcagaatt ggatcccttg ccggaaccct tgctaagagg 600
 gagtggactt gtatttggtg cagagaccaa aaaaaaaaaa aaaaaaaggg sgggcccccc 660
 caagggggcc ccaa 674

<210> 68
 <211> 794
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (345)
 <223> n equals a,t,g, or c

<400> 68
 tcgaccacg cgtccgagat cttcagcaga aagatatggg tgtgaaaccg gagttcagct 60
 ttaacatacc tegtgccaaa agagagctgg ctcagctgaa caaatgcacc tccccacagc 120
 agaagcttgt ctgcttgcca aaagtgggtg agctcattac acagtctcca agccagagag 180

tgaacctgga	gaccatgtgt	gctgatgatc	tgctatcagt	cctgtttatac	ttgctttgtga	240
aaacggagat	ccctaattgg	atggcaaat	tgagttacat	caaaaacttc	aggttttagca	300
gttgggcaaa	ggatgaactg	gggatactgc	ctgacctcat	tcgangctgc	ccattgaata	360
ttcggcaagg	aagcctctct	gctaaacccc	ctgagtctga	gggattttgga	gacaggctgt	420
tccttaagca	gagaatgagc	ttactctctc	agatgacttc	gtctcccacc	gactgcctgt	480
ttaaggctga	tgctctatta	gaataaaaga	ggatcccta	gtccatagca	agtataaaaa	540
taataataaa	taaaaaaata	acaagatgaa	gctgggcatg	gtggtgtgca	cttgtagtcc	600
cagctatatg	ggaggctgag	gtgggaggat	cacttgagcc	cgagagggtg	aggctgcagt	660
gagctctgat	tgtgccactc	tactccagcc	tgggcaacat	agcaagacct	tgttttctaaa	720
aaaataaata	aataaattct	gttatttgtc	accctgtagg	gattcactga	aaaaaaaaaa	780
aaaaaagggc	ggcc					794

<210> 69

<211> 1915

<212> DNA

<213> Homo sapiens

<400> 69

gaattcggca	cgagcttaaa	tgttcgacag	ctcaaagctg	ggaccaaatt	agtgtcctca	60
ctagcagaat	gtggggctca	aggagttaca	ggactgctac	aagcaggagt	gatcagtggg	120
ttatttgaac	ttctgtttgc	tgatcacgta	tcactctctc	ttaagttaaa	tgctttttaa	180
gctttggaca	gtgtcattag	tatgacagaa	ggaatggaag	ctttttttta	gaggtaggca	240
gaatgaaaaa	agtggttatc	aaaagcttct	ggaactcata	cttttagatc	agactgtgag	300
ggttggttact	gctgggttcag	ctattctcca	aaaatgccat	ttctatgaag	tcttgtcaga	360
gattaaaaga	cttgggtgacc	atttagcaga	gaagacttca	wctcttccta	accacagtga	420
acctgatcac	gacacagatg	ctggacttga	gagaacaaac	ccagaatatg	aaaatgaggt	480
ggaagcttct	atggatatgg	atcttttgga	atcctcaaat	ataagtgaag	gggaaataga	540
aaggcttatt	aacctcctag	aagaagtttt	tcattttaatg	gaaactgccc	ctcatacaat	600
gatccaacaa	cctgttaagt	ctttcccaac	gatggcacga	attactggac	ctccagagag	660
ggatgatcca	tacctgttct	tctttagata	tcttcacagt	catcacttct	tggagttggt	720
taccttgctt	ctgtcaattc	cagtaacaag	tgctcacctc	ggtgtgctgc	aagccacaaa	780
agatgttttg	aagtttcttg	cacagtcaca	gaagggtctt	ctttttttta	tgctggaata	840
tgaagcaaca	atattattgat	ccgagctctg	tgctactttt	atgatcaaga	tgaggaggaa	900
ggtctccaat	ctgatggtgt	tattgatgat	gcatttgctt	tgtggctaca	ggactcaaca	960
cagacattgc	aatgtattac	agaactgttc	agccattttc	agcgttgtac	agccagtga	1020
gaaacagacc	attcagatct	cttgggaacc	ctgcacaatc	tttatttgat	tacttytaat	1080
cctgtgggaa	gatcagctgt	tggccatggt	tttagtctgg	agaaaaatct	ccaaagtctt	1140
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tttccacagt	cagaataggt	ttttcacacc	acctgcttca	aaaggaaaact	acagtcgttg	1320
ggaaggaaca	agaggctcca	gttggagtgc	tcagaatact	cctcgaggaa	attacaatga	1380
aagtcgtgga	ggccagagca	attttaacag	aggccctctt	ccaccattac	gaccccttag	1440
ttctacaggt	taccgcccac	gtcctcggga	cctgtcttct	agaggtcgtg	ggggacttgg	1500
accttctctg	gctagtgcaa	atagcggcag	tggaggctca	agaggaaagt	ttgttagtgg	1560
aggcagtggt	agaggtcgtc	atgtacgctc	ctttacacga	taaaaaatcct	tttggaaca	1620
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ttgtttgata	cctaacaaga	tttcaataaa	aatccaaact	ttgtatgtac	gtttgtatat	1800
attttccctt	ttttgtatga	ctatttattt	agaaaatttc	taggtgaaaa	actaaatgat	1860
gttttgtatt	tttcttgctt	atagcacaga	tattctcaaa	ctttctcagc	tcatg	1915

<210> 70

<211> 733

<212> DNA

<213> Homo sapiens

<400> 72
gaattcggca cgaataccct gttctaatac agttcagtggt gtcttataga aaatcattta 60

tcttttgcct	ccctgaaatg	attttaactt	tttgtgtttt	tctccttttc	tcattttcata	120
atgcaattaa	atctacccct	tttctcaa	tttaaaaaca	catgaataaa	atatctttta	180
cttaagggtca	aacacaaatg	gagtggtgta	ggctgggtcat	ggtgggtgac	acctataatc	240
ccaacactgt	gggaggccga	ggcagggtga	tcacttgagc	tcacaagttt	cagagccggg	300
tgagcaacat	ggcaaaaacc	cgtctctaca	aaagaataaa	aaacttagcc	aggcatggta	360
gctactcagg	gaggatgggt	tgagcctggg	aggcagtggt	tgcaatgagc	caagatcgca	420
ccactgcact	ccagcctggg	stataaagcc	agaacttgtc	tcaaaaaaaa	aaaaaaaaaa	480
ctcga						485

<210> 73
 <211> 639
 <212> DNA
 <213> Homo sapiens

<400> 73	
gaattcggcg	60
gatccattgt	120
actgccacct	180
aatctgttct	240
ttttaagtgc	300
catggtgggt	360
tccctcccc	420
tccatgtgtt	480
ttcttaaata	540
ctagctctgt	600
ctccctggct	639

<210> 74
 <211> 532
 <212> DNA
 <213> Homo sapiens

<400> 74	
atggctgctt	60
acaagtagtt	120
agcgcaggaa	180
tgatgcctct	240
catgcctact	300
cctcaacgtg	360
tcattcttgg	420
gcctgtgttt	480
caggaagtgc	532

<210> 75
 <211> 514
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (507)
 <223> n equals a,t,g, or c

<400> 75	
aggcagacgt	60

ggaagaaaga	atggcactct	tgggcttggc	ccagaattag	agttattaga	gcaagagaga	120
gcttaggaag	catgagggca	actatagtga	ggccttattg	ccaggaggga	gggttttggt	180
tgctggcgct	tgtgtataaa	ggggcaagag	cagctccttt	ggactattcc	tgggaggact	240
ctgatgcagg	gcgtctgttg	ctcccctggg	tcacctcctc	cctgctcgct	gacatctggg	300
gctttgacct	tttctttttt	aatctacttt	tgctaagatg	catttaataa	aaaaaaagag	360
agagagagag	agggtgtgag	gacaaaatgc	aaacctatct	cccttgccct	ataggcttct	420
gggatgtcat	cacctccagt	ttgttggttt	tgtttccaac	tgtaataaaa	gcattgaaac	480
agtaaaaaaa	aaaaaaaaaa	acaaaanaaa	aaaa			514

<210> 76
 <211> 644
 <212> DNA
 <213> Homo sapiens

<400> 76						
tgcagttttt	tttttttttt	tatttattat	tttactttta	gttctgggat	acatgtgctg	60
aatgtgcagg	tttgttacat	aggtatacat	gtgccatggt	ggtttgctgc	acctatcaac	120
ccgtcatcta	ggttttatgc	cccgcattga	ttaggtattt	gtcctaatac	tctcccgccc	180
ctttccacta	aacacctctc	tgagtttatg	aatccttgca	gatatgtttt	atgtatatga	240
tcatagtatg	tatgtagaca	cacacacaca	cacacacgtt	ccctctctct	acacaaatgg	300
taacatacta	aagatactct	tctgtacctt	cacagtacaa	gtaccatatt	ccccacttag	360
cacttgccaa	aggccaaagc	cagttaaggg	caggggtgag	acttgccctc	caagctctat	420
gtccagtgtc	cgctccccac	agggccccta	actcaccac	agaagcggac	tcagccccag	480
gctacgtcta	acaaccacac	acaaaagcag	caagaaatgg	cccattgctg	cttctgggca	540
ggacattcca	tcttcgcaga	ggaaccttta	ggctcactcc	gccacctggg	aagccaggct	600
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<210> 77
 <211> 1199
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (469)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (630)
 <223> n equals a,t,g, or c

<400> 77						
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tttctctctt	ccgttgccca	gcatagtgac	cagaacagag	ctcaataaaa	tgtgttgaat	180
agataaatgg	gctgttaaga	gaaaaacttt	agcagaatta	aatttaaagg	agtttaattg	240
agcaatgaat	gattcacgga	tcaggcagcc	cccagaatta	ctgcarattc	agagaggctc	300
caggggtacct	catggtcaga	acaaaaaaag	ggaagtgcag	tacagaaatc	agaggtgagg	360
tgcaraaaca	gctggattgg	ttacagcttg	gcatttgtgt	tatttgaaca	cagtctgaac	420
actcagcact	gtatgaatgg	ttgaagtgtg	gctgctgaaa	ttggctgana	ctcagctatt	480

gttacaggct	gtaatcctaa	attagggttt	caatcttgtc	tgcacactaa	ggtagggttc	540
agttcgtcca	caaggactta	aatacagaag	tatggagtc	tnctcaggcc	atatttagtt	600
tgctttaaca	aggcatagca	gtgataagtn	ccagagagag	gtggtcagca	cgattcatca	660
ctgtcctcag	acaagaagag	gatgaggagg	gatgagccat	ttgtgcctat	tttgkacctt	720
tttggcaaag	tcatgattac	ttagtcatgt	wacatgtaac	ttagcatgac	ccatgggtac	780
agaaactagg	tttaattttt	ttatccaaca	gtgamgtttt	ccatacttca	ctcaagtact	840
tagtaattgc	tgtagctttg	cttcattgca	gcggcttcat	agatcatggc	tgttgttcat	900
cgcttgtggc	gtgcctggga	aatcaatagc	taaaaaygtt	ttgtgaaccc	ttagtagttg	960
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tcattttaca	gggaataata	agcaaatgcg	tgtttgggaag	tgtgattcta	tcaaatctgt	1080
ttataaataa	gtgcatat	gccatttaaa	gtaatttttt	tatctgtgac	ttgggcttca	1140
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<210> 78

<211> 660

<212> DNA

<213> Homo sapiens

<400> 78

gaattcggca	cgagcagagg	cccggtacct	ttaagctcta	cctcgccaat	gccctctcgc	60
ctagtaatcc	gtgcacacag	cctgctgttt	gccatgcaga	atgatggcct	caagttcatg	120
gaaatgggtgc	tccatgtcct	tcaggcaagt	atagggtgtc	tggtgcttat	ggtggatgtg	180
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gtgctgggga	aggatgttat	tgatgtggct	gaaagaagag	agagcaagaa	atgaaatggg	300
tagatgggga	catcagagga	atgagaaaga	tgagctacca	aatggtgact	ctatagggta	360
ctgagtgggtg	gatgagtgc	cgttgggtga	tgggtgggtg	aacagtggac	gggtgggtgg	420
atgggtggag	gggcagggtg	gtgagtggct	ataaggggtg	atgagcagg	gggtgagtgg	480
ctatgagggg	gaatgagcag	gtggatgagt	ggctataagg	gtggatgagc	atcctggtgg	540
atgtaatgtg	gatgggcagt	tcagtgagt	ggtgactatg	acgggtggatg	ggtgggtggc	600
tgagtgggaat	tacagatggc	atagatcaca	ccttactttg	cctttgtccc	ttaacctcga	660

<210> 79

<211> 524

<212> DNA

<213> Homo sapiens

<400> 79

tcgagccccg	gctggcgggc	ctggctgctg	ggtctttgtc	ttctaggttc	ctctttctcc	60
caagaagggc	taagtggatc	ctgtgaaggg	agggatgcag	tggggggaag	gagctggccc	120
cagctgggtt	tacatttctc	gctgggacag	cagagcctca	ctgtgtatgt	gtgcagccag	180
cagatacctg	tgcacaggca	cagacccacc	aactcgtggg	gacacttcaa	cacgcacaa	240
agccattttg	ccactagacc	catgccccca	aattagcaga	actgctcgtg	ccgaattcct	300
gcagccccgg	ggatccacta	gttctagagc	ggccgccacc	gcggtggagc	tccagctttt	360
gttcccttta	gtgagggtta	atttcgagct	tggcgtaatc	atgggtcatag	ctgtttcctg	420
tgtgaaattg	ttatccgctc	acaattccac	acaacatacg	agccggaagc	ataaagtgtg	480
aagcctgggg	tgcctaata	gtgagctaac	tcacattaat	tgcg		524

<210> 80

<211> 434

<212> DNA

<213> Homo sapiens

<400> 80

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tctggaactg	ccttttagca	ttacttgaaa	aacatttaat	tactttgtac	aaattaataa	120

taacagtgct	actagatttg	ctcagtgcc	ggcataagt	ctttacatct	gtgaactcat	180
ttaactgaat	tgggtccggg	gttgggatag	aacagctgcc	cctccttcag	cagcgggtcc	240
agccgtccta	gctctgcggc	ctggccactt	tgttttcccc	aatccctggy	ctccaggagc	300
agggctctca	gctccccctg	ctctcacgtc	ctcacctgag	ctgaggagag	gacaggggtg	360
ctctctccag	ctccamamtg	gtctgtatcc	aggctatttc	amcctcattc	aaaaaaaaaa	420
aaaaaaaaact	tcga					434

<210> 81
 <211> 735
 <212> DNA
 <213> Homo sapiens

<400> 81						
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atcaggaagt	ggggaatcac	tgggttatc	ttagaggctg	ctaccataac	ggaggaatat	180
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agggacaacg	tcactgtggg	atgaacagca	cctgtgggtt	tgtaaccagt	ataaatcaga	300
tattctttat	tattttatgg	tkgttgtacc	tgcctctact	taccactact	ttggaaatat	360
gggagtattt	agmccactg	cactagattt	tgttatttaa	tatataaaaa	gaaattcaca	420
ttactataca	acaacttaaa	aaatgcttgg	acaaaactat	tttattttgta	actttttgta	480
ttttgtttta	tgagatgtaa	aatattattc	tgagagggtga	tccacaggta	ttaccaaact	540
gttaaggcgt	ttgtgacaca	aaaatattaa	gaatccctaa	gcaagtgata	ttcaaagtgt	600
ggttctggga	acagcagcat	caacatcacc	tgggaactag	tctgaaacgc	aaattatcag	660
gagggttcct	ccctgacctt	ctgagtcaga	aactctggcg	gagggacca	gcaatctgtt	720
caaatacacc	ctcga					735

<210> 82
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (697)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (717)
 <223> n equals a,t,g, or c

<400> 82						
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ggcaaaggca	ggatttgaac	ctagaacctc	tggctccaca	cactagtaat	ctaaaccact	180
ctccctacaa	tacaacatac	gtggtaaaga	tgtgtgggtg	gcacgcaatc	aacgtaggtc	240
ccttcacagt	tgctggggaga	ggcaggaatt	tgcagttcct	ccgcgttctc	ctcctccgct	300
gcccacctgt	cctgggtcat	tcctgcagcs	tgccttgcce	tgctgtgtct	cacctccctt	360
ctgccaacag	aagtctgggc	agggttttat	gggctctgat	aaggccctgg	cagggccgaa	420
gttcatgagc	acttctctct	tgcaggaggg	cgtaggggag	gggacccagg	tgatttgggt	480
cctggctggg	caccagggaa	gctggcaagg	gaaggagagc	taggtgtcgc	tctaggagaa	540
gcccagagcc	tgagagtccc	agaagaggag	ccctgtggac	cctccctctc	cagccactcc	600
cttaccctgg	gtataagagc	caccacccgc	tgccatccgc	caccatctcc	cactcctgca	660
gctctttctc	cagaccagcc	actagcgcag	cctcganggg	gggcccgtcc	caatttncct	720
ct						722

<210> 83
 <211> 785
 <212> DNA
 <213> Homo sapiens

<400> 83
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 ctgtgggaga aatgaggaaat ttaacacatt gtaggtgtta agattcctgg gtgtctgaca 180
 gtatccctgg aaccattatc attaatatc ttttcaatca gaaaggcaaa ctactttgct 240
 gttaggcttc cagatgaggt tttttgaaaa aacagtaaga taataaaggc ttggattgct 300
 cctacttcct gaggaagtc acatctcata ttattcagaa cttggactga agagctcata 360
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 gaaatgattc tcttcctcag tcaccatcta tctatgcccc caggtttgac tcgctctttt 480
 cccaaggagt gctgttcatt cctgacacaa gggagaccag aaaagagatc atgaatgaca 540
 gtgaaaacct ttatgacact gacataaagc agagagttag actgaatatg agttggtagc 600
 ttttcctttg tatctgtgta agttgaatca taaaaaattg tcatttttgtt gattcaaaag 660
 tgtaaaacaa aagcaagttc atatgattca agcttacatt tttttctcac tataagaaag 720
 aggatttaaa gaattgtatt aggttagcga atctgatttc tttcatgcaa atacagctcc 780
 tccga 785

<210> 84
 <211> 570
 <212> DNA
 <213> Homo sapiens

<400> 84
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 ccctcgagtt gaattagaga aaacgacatg gacacacgtg gagggttttt aaggagcggg 120
 gagtttaata ggcaagaagg aaggggagaag acagaaggaa gaagctcctc catatggaga 180
 cagagggagg ggggtccaa agccaaaaga ggaggtcccc aagtgcagtg gacaccagcc 240
 aagtatatat gcagaggctg gaaggggcca tgtctgattt acatagggct caggggattg 300
 gtttgaccac gcatgttatt cacatagccc actaaaaagc tggctctccc accctagtct 360
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 ttctacacat gtggggcggc catgttgcca ggaacatgtg aggcaagggt aagaaggcct 480
 tgggaattgc catgttgggt ggacccagtt tctaattggc tgcatttgca tatcaaaggt 540
 tgctcgtgcc gaattcctgc agcccgggg 570

<210> 85
 <211> 905
 <212> DNA
 <213> Homo sapiens

<400> 85
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 aactgatcta gtttatcact ctcttatctc tacaatttat ctttactca aagaactaaa 120
 gttatcttcc aaaaacacag aatgaatcag ctactctcc tcaagactct taaatgggtc 180
 ttcattactt gttgagaaaa gccagactt gtttagtgga gcaattaaac tccccacaat 240
 ttatctgcca gaagactttc tggaaccatg tatggttttt ttgcccctca acttacagtc 300
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 cttttggcct tgttcttact atcagccaac ttcatagttg aagtcacagag ttggttggtg 420
 ttgttgggtt tttttatcka tttaggtagg agttacaatt tttatttgct ttgtgacagc 480
 attattttct gacacatttt ctccatattc ttttaaagag tttctttttt aaacccatgt 540
 tattcaaggt taaacaaata acgagtttct ttgtttggat gttatgctta cacttacttg 600


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aatatgttgt tttttttcca gactagccat tagcaagatt cctgtggagt gagggagtgc 660
ccagggtagt tctccagatt attctgctca aattcttctt cttctcatgc tgcagtgatg 720
aattatttct tcaaaactat gacccactg tgtagctcca ctttctcttg ttctcacaag 780
agtgtacaaa atcgttgagt cttctgagcc atggctaaca agaatectag ctactgcctt 840
ccactatatt tttccctttt taaaaggagc attttctgag tttagtcatt tcaggccttc 900
ctcga 905

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<210> 86

<211> 706

<212> DNA

<213> Homo sapiens

<400> 86

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gaattcggca cgagcaaaga tgaggctgtc tacaaactta tgtatcattc taataaatat 60
tttaatacag aatgtttctaa attttaatat gaaaataata tttaagttcc ttccatgtgc 120
catgcataat cttatatcaa gtataatttc atttttatat aatttctgtg ccttacctct 180
tgcttctccc caattcacaa atgaagaaag tagttacacc gcccttcggt catgtacaag 240
gggaggggtt gaatccaggt ctctaggaac ccaaaagtca tgcaccttc aaggcaaagg 300
agattaccat gttacagcat agataaaaac ataatagaat taggaattgg ataagtatag 360
agggttcaat agtgttcccc caaaattcct ctcaacactg aagctcagaa tgtgacctta 420
tttgagagata ggatctccaa aggtaatgca gatgtaatca gtttaagatga ggtcataccg 480
gattaatttg ggtcctaaat ctaatgactg gtatcctttt aagaagaaga gaaaacacag 540
gacacagaca caaggaagca gcaaactgta agacagagggc tgggggtgta gtgatgcagc 600
tataaggcat ggggccaccg gaggctggga agggataagg agggaccctt ccccaaagcc 660
ttcagaggga gcagctgaca ctttgaattt ggacttctag cctcga 706

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<210> 87

<211> 1544

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (8)

<223> n equals a,t,g, or c

<400> 87

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atgtgggaaa atgtaaaagc agggatatca gtgggcatta gaataaaaac tagggatata 120
ataacttctt tgcataatgac aatacttatt tgtatataag agaaagaacg aaataacctt 180
tattgaaata aagatactat gcaagaaaat gtacagttgt cgaagtggag aaaatgagga 240
tatattcttg cagacgagct ataggtcata catgaatgtc tagtgagaca ttcaaaattc 300
gtataggggtg cagagtaatt tcttattgtg aggaactgtc caatgtattg caagatgttc 360
tgcatacttg gctctcacat actaaatgct agtagcgccc ccacccccac gcccagtcac 420
ggtgacaacc acaaacccta tcagatctat tcaccttttt cagagcagat attttghtaac 480
attctctttg ctgacctgaa atgactcata gataatacaa tctacttaca cacatgaatt 540
tcttaaaaaa atcaatttaa tgccctaact ctcttattaa ggagaaatag aaaagaagaa 600
atttataatg aaaagaagat gaatttcatt atgtaaacgc tcaggcatga ctacgtgtgt 660
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agaggctact tctgtaaac aagtcacagga aaatgaaact agacgggtgg gggcactag 780
aatgaaaacc agtgttaggg taaagacaaa acagactatg tacataatct gtatatggga 840

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aaagaaagag	cgaaattacc	ttacttaagg	ataataggac	aagacaaatt	acagattgtc	900
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caggacatta	gacagtcgta	caggggtacag	aataattctt	cgttgtgtgg	cactaaccoa	1020
cacactgcag	gacatcgttc	tccctggctg	catccactca	gtgctgggag	tagtcccag	1080
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actatttgta	tttcaatagt	tgagttgtat	tgcttcctgt	tcttcaagct	taatttgaac	1500
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<210> 88

<211> 840

<212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (326)

<223> n equals a,t,g, or c

<400> 88

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caaattatca	agtgtcttaa	agcagaaaaa	gtcatttgtt	tctcaaaaact	gcaccaactt	240
tatataattg	cccttttaaa	tatccctagt	ggcccgtaga	atttgcaaaa	tagagcatca	300
aagcttgatt	tacttacagt	tgcacnttgg	cgggatctta	atgaatattg	tttagtacta	360
atgctgagat	ggaatcgtaa	atgtttatag	tgagggaact	acttagaaga	gtggggaggc	420
cagtaatgaa	actgaatcaa	ctgggttctt	caagatggaa	caatatggcc	atattcttgg	480
gcctaacatt	ttgaaaaatt	ctttttatag	tgggaatttta	tttttaattc	aggtctagat	540
gaatacacat	taagtttagt	tttgcagaat	cttttttttt	ctgcctagct	atcttattac	600
tttccaaggg	cttttgagga	gtaatttgtt	tcttggaact	ttcggattaa	aatcacctgt	660
ttcttcataa	attgtcatct	tcaaggtaac	actgagaact	ggatctctga	aatctcatgt	720
tttcgagatg	atttttatag	ctgcagacct	gtgggctgat	tccagactga	gagttgaagt	780
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<210> 89

<211> 510

<212> DNA

<213> Homo sapiens

<400> 89

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tttgcccgct	gccgaaccct	tcagccctcc	gcgaggagac	tcagctcaga	gcacagcgty	180
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cgtggatcac	ctggggacag	aggtgaaagg	cctgctgggc	ctgctggagg	agctggcctg	300
gaacctgccc	ccgggaccct	tcagccccgc	tcccgaacct	ctcggagatg	gcttctgagc	360
cctggagctg	gagcccagca	gttgagggtg	gtgcacctgc	cagcagcgcc	cacagaacca	420
gccctgtcct	ctcgacttcc	ttccttagct	tcatgtgaaa	taaaagctat	tctgggtcaaa	480
aaaaaaaaaa	aaaaaaaaaa	aaaaactcga				510

<210> 90
 <211> 738
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (66)
 <223> n equals a,t,g, or c

<400> 90
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 gagtagtagc tacttatggg ggtgtagaaa gaatggcctc tctcttagac aatttcattt 180
 taaacatcat agtcatcttt tgcatagtga ttgactccta tctttgtggg ttcattgtatt 240
 tctttgtgat tgattcccca gtgcctgcct gcagtcctatt gcaactctcc caaactttaa 300
 tcctgcagct tcagcccact gctagatatt tccattgatg acctgtcatc tgaaacctag 360
 cattcatcat gtgctgtgtt gtataattgt atgtctgtgt tattgtatta ctttcccaag 420
 taaagttttt gtgtaaggac ttaacactgc tttgaatccc ctgtacctat tatactgtg 480
 tgtacaaagt aggagtcaa atacatgtga tcacaatagt cttccattca taactcatca 540
 gcagctcagt ccttcttatg tctagtctca gttcattcag ccaaagctca tttttgtcct 600
 atccaaagta gaaaggttc ttttagaaaa cttgaagaat gtgcctctctc ttagcatctg 660
 tttctgactc ccagttattt ttaaaataaa tgatgaataa aatgccaaaa aaaaaaaaaa 720
 aaaaaaaaaa gggcggcc 738

<210> 91
 <211> 506
 <212> DNA
 <213> Homo sapiens

<400> 91
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 caggatctgg ttaakgttgt cagctcagtg gatttgagaa tattcacaga taagcaactc 180
 agaaggatca tacttgtatt gtaggcctc aggtattcag gaaatagatc ttctcttggtg 240
 attcaatagc cataatccaa attaaacatc tggcttttcc aatgtgtatt tttgaatgta 300
 tgtgtcattt cttcatagac atatcaaac attactatgt ggtaagattt tatccagaag 360
 attctcttcc taaaaccttt atatatgacc cttttaaagc ataaaattat tttagggtgtg 420
 agtttttatt atgcaatata aggatacagt ctttaatttt ctacctttaa gctcgtgccg 480
 aattcctgca gcccggggga tccact 506

<210> 92
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (1165)
 <223> n equals a,t,g, or c

<400> 92
 gtggactctg gctgtccttg ggtgggtttcc atgagcgtgg ccaagactgg gagcagactc 60
 agaaaatcta caattgtcac gtgctgctga acagaaaggg gcagtagtgg ccacttacag 120
 gaagacacat ctgtgtgacg tagagattcc agggcagggg ctatgtgtga aagcaactct 180
 accatgcctg ggcccagctt tgagtcacct gtcagcacac cagcaggcaa gattgggtcta 240
 gctgtctgct atgacatgcg gttccctgaa ctctctctgg cattggctca agctggagca 300
 gagatactta cctatccttc agctttttgga tccattacag gccagccca ctgggaggtg 360
 ttgctgcggg cccgtgctat cgaaaccocag tgctatgtag tggcagcagc acagtgtgga 420
 cgccaccatg agaagagagc aagttatggc cacagcatgg tggtagaccc ctggggaaca 480
 gtggtggccc gctgctctga ggggccagggc ctctgccttg cccgaataga cctcaactat 540
 ctgcgacagt tgcgccgaca cctgcctgtg ttccagcacc gcaggcctga cctctatggc 600
 aatctgggtc acccactgtc ttaagacttg acttctgtga gtttagacct gcccctccca 660
 cccccacct gccactatga gctagtgtct atgtgacttg gaggcaggat ccaggcacag 720
 ctccctcac ttggagaacc ttgactctct tgatggaaca cagatgggct gcttgggaaa 780
 gaaactttca cctgagcttc acctgaggtc agactgcagt ttcagaaagg tggaaatttta 840
 tatagtcatg gtttatttca tggaaactga agttctgtct agggctgagc agcactggca 900
 ttgaaaaata taataatcat aaagtctgtg tctggacatc gcctttggga actagaaggg 960
 gagttggtat tgtaccagct ggactaagct ccagttctag acctcctggc tcattcaaca 1020
 tgccctccca cctaaataaa agtgcaacac tcagtgcagt tcccagcccc attctcccaa 1080
 gcatgggagt gggcgtagga gtggaggagg ggggaaggaaa aagggaattac ttcacttaca 1140
 cctatgatgc cctttgcccc agccngaaga aagcaaaggg gaaaaggggc tgcagggtac 1200
 att 1203

<210> 93
 <211> 710
 <212> DNA
 <213> Homo sapiens

<400> 93
 gaattcggca cagggtttcac catgttggcc aggctgggtct caaactcctg accgcagkga 60
 tcccaaagtg ctgggattac aggtatgarc ctcccaaagt gctgggatta caggcatgag 120
 ccactgtccc cagcaggatt atcttactat attgtgccac agaataatattt attagcgttt 180
 gattggaatt acatagaatt ataaatttgg tatttgtgac tttctgctgg aaatcatgat 240
 accatgaaca ttctgatgtt tgcgtttatg ataattttca tgggagctaa atttcaagaa 300
 gtagaatttt gggtcagagg atatgatcat ttaaaagcaa cattgtttga tcagattggtc 360
 agatacttaa agatgggtgg acaggagcca ttgctggcaa aggtttgggt aaggggcact 420
 tgagtatgct gctagtgaca gggaattcta cgcatttgtg catagaatct gggaatgact 480
 attaagattt atttattccc tctctaggta aaatccctct ctaggtatat aaataaataa 540
 taaataataa ataaataatc agtttccagcc aggcacaatg gctcacacct gtaatcccag 600
 cactttggga ggccaaggcc gatggatcac ttgaggtcaa ggagtttgag accagtctgg 660
 ccaacgtggt gaaaccccat ctctactaaa aaaaaaaaaa aaaaactcga 710

<210> 94
 <211> 1750
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (24)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (34)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1287)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (1392)
 <223> n equals a,t,g, or c

<400> 94
 agaaagtgaag agctgtttgc aatnatataa attnctaatt tggaaatcat gacaagcagt 60
 cttagaaca aagttaaaat taaaaagtct ttatccaagt caccaatgaa acaggattct 120
 gattcattaa tcatgtcttg cccacttttt tcaacaaacc tgacgtccta taatgagcta 180
 tacagtgtga ggcataatttc atagcaacgt tgggttgattg ccaaggagac tctgccaccg 240
 ttctggataa gctcatgttt cccttttctt tggctgctaa tagaagggca acttacagtg 300
 caggggtcaag agcaagaagc tgggggagta gagggctatac atctagccta ataatagaga 360
 tctgaggtgg tyaccaggag actacgttct tttgattcca ttctcagca gcaaaagtac 420
 ttgagttcaa atgataaaac ttgaagttgt aggcttggaa gagtatcagc tcagtatatc 480
 cttccttgca taaatacaag ggaaaggcca aggaataatc agcattaacc tgccagggtcc 540
 aaggggtcttc tatccctgac ttcatctgag tcacaagatt tctctaataa gagaaacttt 600
 gctactctga ggaaaattat cccttatggg agcccccagt tcagaggtaa gaacagttct 660
 ttacagtgga ggtccaaaat tctggacttc tagaaacaag tgaagtgtgc taaagtctcc 720
 tattttattgt ttctcttcca gtattgtgac atcgattctt gcataaaatt ctggaatgct 780
 ggctcttcat ggcttttctc tgtaactctg tgggtcaatgt catcagtatc gctgtctgct 840
 tctcctatct cttcatccaa ggttcctcga gtcaggatca aatcagaagg gtgcagcaca 900
 ggagataagc tgtctttggc agtccctgca tccaaggcta cagaacccat atcttttcga 960
 agggcttcca gttgttctct ctgctgttgg ctctctgcgt tggccagtga ttttttcaga 1020
 cgttcatatt caggacgata ctccctttca tattcttcgg cagcactggg aacttgcaca 1080
 aagagttcat ctaatccagt acccagaaca gcagagacac ccaccacct gagtgagctg 1140
 taaaactcat ctaacaccag gctcattgaa cgagtcagggt tatgacgtat gtagtctctt 1200
 gattcaaggc atcttggaag gcctyaaaat cctgcatcca ttccactgca aagctgtggt 1260
 caatgatgtc agttttattc atgcccncaa tgaaagccag cttgggttttg tataagatgc 1320
 tgcaggcata gagcatgttg cacatgaagg tcaactgggtt ggtacttctc gatgtgtcca 1380
 ttacatagat gncaactgtt ggaaatgagg atgcaagggc ttcagtata attgtcccag 1440
 aagctgacca ggtgaatacc tcaatctgtc cagggtgtgtc aatcaacaca tatttgga 1500
 tgttctgggc cttctcaata aatttcatca ccaatattgg caggaaaggg aacttcatgt 1560
 actgctggat ccagggtgat cacatacggg ggagtgccct gggcatgcag gtgtcctgtg 1620
 agcctctgta caaaagtggg tttcccggat cccgccattc ccaacaccaa cagacacact 1680
 ggggtgccgcg gacccccaga agcctggagc tcagcggcag ctgcggacgc cgccatcttc 1740
 ctctgggcaa 1750

<210> 95
 <211> 606
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (272)
 <223> n equals a,t,g, or c

<400> 95

ggaattcggc	acgaggaaat	aagggtgacag	atccccagct	gctgaagaac	tagaatgtct	60
attacactca	tacaattgat	gtttttat	aatacaccag	agctaccaca	caaaacttcc	120
ttccatgtga	aaggctccag	ataaaattct	gccatccctc	ctctctctcat	gtcctcctgc	180
tcagaccac	cttcatgccc	ctaaaccaat	ctgcatcatg	cctgtttcag	agagtcattg	240
gaagatgggc	agtgcctcca	ttgtcaccat	tnccccacac	ctctgcacac	ttctgcccct	300
tccccctctag	acgccacaac	ttcacagtct	tactgtttgta	aatattcctg	cacagttagt	360
aatgatcaaa	tgatcctgtg	gtcagaggcc	tctttggcag	tgtcttctta	cccttaagaa	420
aggctcatgaa	atccagaagg	ggcaaccttt	ccaggagagc	tttggagtca	tttctgtgtg	480
agacactatt	gcataatcct	gtaagattgc	ttttatat	aaggaatgat	gttacttaac	540
aatgaacaa	aaaaaattgc	aaataaattt	tttaacaatg	tttaaaaaaa	aaaaaaaaaa	600
actcga						606

<210> 96

<211> 617

<212> DNA

<213> Homo sapiens

<400> 96

gaattcggca	cgaggcggaa	gatagattaa	aatgtctcta	cttctctttt	taaaagttca	60
tcttttttagc	ccttctacaa	ttttcaaaag	aaataattag	atggtcgcgtg	taacattttat	120
atgaagaaaa	tagtttgaga	caacctaaat	atgtcaatac	trgawtaatt	attaaaaataa	180
wtcatggccc	tgatcatataa	twgaatacta	tggagtttgg	aagaaagcat	gatgtagaat	240
atttaattat	atgggaaaat	aatcagtaaa	tcttttttaa	acagaaggta	aaactataca	300
tagttcaata	tagtaaaagag	ggccggggcac	agtgtctcacg	cctgtaatcc	cagcactttg	360
ggaggccaag	acagggtggat	cacctgaggt	tgggagttcc	agactagcct	ggccaacatg	420
gctagtctct	actaaaaata	caaaaatcag	ccaggcatgg	tagcaggcac	ctgtaatcca	480
agctacttgg	cagggaaggc	aggagaatta	cctgaacca	gaaggcagag	gttgcggtga	540
gccaaaatca	tgccactgca	ctccagcctg	ggcaccagag	tgaaactctg	tctcaaaaaa	600
aaaaaaaaaa	aactcga					617

<210> 97

<211> 634

<212> DNA

<213> Homo sapiens

<400> 97

gaattcggca	cgagatccct	tgacccctcg	ggtaggcaca	gggtaggtgc	agcagggatg	60
ggggccagcgc	tcatgggtggc	ctctctgtgc	ctcgggtggac	ctgccccagc	agtgggagcc	120
ataacccccct	cccccttcat	tacttcaactc	aggtgggcac	cttccccctgc	aggggtgtctg	180
ccctcagggga	actcaaggac	tctcagagac	accagggcag	cctggccccag	aggagcaaca	240
gccaggccccc	caggaggaca	gccatggaga	gaactgagac	ccacttacag	tgggggtctgg	300
gaacccctgccc	tgtacctggg	gtycagtccc	tcccaactcc	ctccttgtgt	cttcccccca	360
gcaaagggtgg	ggtgaccact	tctgtagcta	agcacctgct	ccccggctct	cttcaccag	420
gacatctgtc	tctctggagt	gtctgtctgt	ctgtccctcc	ctctctgaac	ctgcttctctc	480
cgtgtccccct	gtcctctgcc	cctgggagcc	camtcccmct	ccttgcggtc	ccctcccatc	540
tacttcaagg	ttctctgagg	acattaaagt	ggtggattca	ccctgaaaaa	aaaaaaaaaa	600
aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaac	tcga			634

<210> 98

<211> 512

<212> DNA

<213> Homo sapiens

<220>
 <221> SITE
 <222> (483)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (487)
 <223> n equals a,t,g, or c

<400> 98
 gtggatcccc cgggctgcag gattcggcac gagtctgact ggaaggggtg aggtgtgcag 60
 ataatttttac ttttcaacta cagaaaagat gtatctgggt aaagaaaatc atgcatttaa 120
 ctacatcaat gcagcctatg aacaatagcc tgtgaccata actagatatc tcaccaacgt 180
 ggcagctctt cctaaccaaa agatcaaate aaaactctag tggcattttc ctatcactca 240
 cagaacaggc taagcttccc acctggagta gaccgggagc ctagaactca taaaaatttt 300
 taaaaatcaa acaaaacatg aaagtacaaa gtttctacaa aactcttate cctctcctga 360
 caatatttat gatggtggca ttagtgaatt ttactggaaa aaaaaattcc caaaactatc 420
 cagctggraa tataagctca cttccaaagg ataaaacagt taagacgaga ttaggataaa 480
 ttnactnaca aaaaaaaaaa aaaaaaactc ga 512

<210> 99
 <211> 944
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (13)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (486)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (934)
 <223> n equals a,t,g, or c

<400> 99
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 tctaattgagg acgatgccaa catcctttcg agccccacag accgatccat gagcagctcc 120
 ctctcagcct ctccagctcca caccgtcaac atgcgggacc ctctgaaccg agtcctggcc 180
 aacctgttcc tgctcatctc ctccatcctg gggctctcgca ccgctggccc ccacaccag 240
 ttctgtcagt ggttcattga ggagtgtgtg gactgcctgg agcaggggtg ccgtggcagc 300
 gtccctcagt tcatgccctt caccaccgtg tcggaactgg tgaagggtgc agccatgtcc 360
 agccccaaag tggttctggc catcacggac ctccagcctg ccctggggcc ccaggtggct 420
 gctaaagcca ttgctgact ctgaggggct tggcatggcc gcagtggggg ctggggactg 480
 ggcgancccc aggcgcctcc aagggaagca gtgaggaaag atgaggcatc gtgcctcaca 540
 tccgctccac atggtgcaag agcctctagc ggcttccagt tccccgctcc tgactcctga 600
 cctccaggat gtctcccggt ttcttcttcc aaaaatttct ctccatctgc tggcacctga 660
 ggagtgtgag caacctggac cacaagccca gtggtcaccg ctgtgtgagc ccgccccagc 720
 ccaggagtag tcttacctct gaggaacttt ctgatgcaa agtgtgtata tgtgtgtgtg 780
 tgtgtgtgtg tgtgtgtgtg tgtgtttatg tgtattttgt aatatgtgag ggaaatctac 840
 cttcgttcat gtataaataa agctcctcgt ggctccctta aaaaaaaaaa aaaaaaactc 900

gagggggggc ccgtacccag cttttttccc tttngtgagg ttgg

944

<210> 100
 <211> 2351
 <212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (593)
 <223> n equals a,t,g, or c

<400> 100
 acccacgcgt ccgccacgcg tccgggtcca ttgccacctg gatgggagaa gagaacagac 60
 agcaatggca gagtatatatt cgtcaaccac aacacacgaa ttacacaatg ggaagacccc 120
 agaagtcaag gtcaattaaa tgaaaagccc ttacctgaag gttgggaaat gagattcaca 180
 gtggatggaa ttccatattt tgtggaccac aatagaagaa ctaccaccta tatagatccc 240
 cgcacaggaa aatctgccct agacaatgga cctcagatag cctatgttcg ggacttcaaa 300
 gcaaagggtt agtattttccg gttctgtgtg cagcaactgg ccatgccaca gcacataaag 360
 attacagtga caagaaaaac attgttttgag grttcccttc aacagwtawt gagcttcagt 420
 ccccaagatc tgcgargacg tttgtgggtg atttttccag gagaagaagg tttagattat 480
 ggaggtgtag caagagaatg gttctttctt ttgtccatg aagtgttgaa cccaatgtat 540
 tgctgtttg aatatgcagg gaaggataac tactgcttgc agataaaccg cgnttcttac 600
 atcaatccag atcacctgaa atattttcgt tttattggca gatttattgc catggctctg 660
 ttccatggga aattcataga cacgggtttt tctttaccat tckakaagcg tatcttgaac 720
 aaaccagttg gactcaagga tttagaatct attgatccag aattttacaa ttctctcatc 780
 tgggttaagg aaaacaatat tgaggaatgt gatttggaaa tgtacttctc cgttgacaaa 840
 gaaattctag gtgaaattaa gagtcatgat ctgaaaccta atgggtggca tattcttgta 900
 acagaagaaa ataaagagga atacatcaga atggtagctg agtggagggt gtctcgagggt 960
 gttgaagaac agacacaagc tttctttgaa ggctttaatg aaattcttcc ccagcaatat 1020
 ttgcaatact ttgatgcaaa ggaattagag gtccttttat gtggaatgca agagattgat 1080
 ttgaatgact ggcaaagaca tgccatctac cgtcattatg caaggaccag caaacaatc 1140
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 tttgttactg gaacctgccg attgccagta ggaggatttg ctgatctcat ggggagcaat 1260
 ggaccacaga aattctgcat ykaaaaagtt gggaaagaaa attggctacc cagaagtcac 1320
 acctgtttta atcgccctgga cctgccacca tacaagagct atgagcaact gaaggaaaag 1380
 ctgttggttg ccatagaaga aacagaagga tttggacaag agtaacttct gagaacttgc 1440
 accatgaatg ggcaagaact tatttgcmat gtttgcctt ctctgcctgt tgcacatctt 1500
 gtaaaatttg acaatggctc tttagagagt tatctgagt taagtaaat aatgttctca 1560
 ttttagattta tctcccagtg atttctactc agcgtttcca gaaatcaggt ctgcaaatga 1620
 ctagtccagaa ccttgcttaa catgagattt taacacaaca atgaaatttg ccttgtctta 1680
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 gtagtgttt tttcttttag acattctgca gacatgcagg gaagtccttt ggtaactgca 1800
 atatacaaga ttttccattt aagcctcttg gtaagaggca tttgttaaaa gtgcaagctt 1860
 actcctgctt ctggggatgt gagcaaaatc gggcttgtgt tctccctctc attttagtct 1920
 gacttgacta ttgtttttcc tttctggcgc atgaatccat acatcattcc tggaagttag 1980
 gcaagactct tgcactctca caaagtagtt ttgtcaattt gaattcaggg aaaagttggt 2040
 cacagcctgc aaatgacttc atttggaagt ctgattgttt cagttgcctg acaaatacta 2100
 cactttacaa acaatgttaa cactgtgatt ccttcattgt ttttaagaagt taacctaggg 2160
 ccgggcatgg tggctcatac ctgtaatcct agcactctgg gaggccgagg caggaggatc 2220
 ccttttagccc aggagttaaa gaccagcctg ggcaacatag ggagaccctg tctttttttt 2280
 gggcagcgtg gtgggggata aataaaaaaa aaaaaaaaaa actcgagggg gggcccgtag 2340
 ccaatcgcct g 2351

<210> 101
 <211> 776

<212> DNA
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (775)
 <223> n equals a,t,g, or c

<220>
 <221> SITE
 <222> (776)
 <223> n equals a,t,g, or c

<400> 101
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 aacgccaccc tcctaagtgc caacgccagc caggggaagt tgcttccggc ccactcaggc 120
 ctcagcctca tcatcagtga cgcaggccct gacaacagtt cctgggcccc tgtggcccma 180
 gggacagtgt tggtagccg tatcattgtg tgggacatca tggccttcaa tggcatcatc 240
 catgctctgg ccagccccct cctggcacc cccagcccc aggcagtgtt ggcgcctgaa 300
 gccccacctg tggcggcagg cgtgggggct gtgcttgccg ctggagcact gcttggcttg 360
 gtggccggag ctctctacct cctgccccga ggcaagccca tgggcttttg cttctctgcc 420
 ttccaggcgg aagatgatgc tgatgacgac ttctcaccgt ggcaagaagg gaccaacccc 480
 accctggtct ctgtcccca cctgtctttt ggcagcgaca ccttttgtga acccttcgat 540
 gactcactgc tggaggagga ctccctgac acccagagga tccctcacagt caagtgacga 600
 ggctggggct gaaagcagaa gcatgcacag ggaggagacc acttttattg cttgtctggg 660
 tggatggggc aggaggggct gagggcctgt cccagacaat aaagggtgcc tcagcggatg 720
 tgggccatgt caccaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaann 776

<210> 102
 <211> 1065
 <212> DNA
 <213> Homo sapiens

<400> 102
 gaattcggca cgagaggggtc agggaggctg cccccaggcc tgtatatatta acccctatgt 60
 accaggagta atgaatagta ataattctat ttatgtaagt tatgatgacg ggtcaggtag 120
 agtgagctgg ggagggaagt ggatccattt ctgctaagga aattctagtc aaatgcatct 180
 ctgtatagac aaaatgttag tggagaagat cttgttaata gaatgtctat catcagaatc 240
 tcagttgata gggtttctct tgtaatgaag tctctacaaa ttgggttagc tacatctctg 300
 ctaaacagtt gatgggggtat ctcttgatta ggggatccc taatatcccc agccccagcc 360
 agaagctgtg aaacctcaag tcctatggag gggagaagga ctggaatgta ccccatctyc 420
 cttgactgma gagcagggtc ctccactgcc ccaccctta gacaccatgm ccccatcagg 480
 ttaatccccct gttgccatgg ttatggagac ttgcagctgc catcttagat gtgctctttg 540
 gggaagccca tctaacagga ggacattggt ttgggggtgc acctcctgaa gaatgggtgg 600
 ggaaggcttt ctctaggatc agattcaaataaat caagta tgtattgagt gcctactctg 660
 tgcaaggcac tatgctagat ctggtgccta gaagccctga gaaagaactt aaagagctag 720
 gaggacagag gcccccaagc tgatctgggtg gtgcatccac gcacccccac cctgggactt 780
 tggatgctcc catctccacc tccagtgaact tttaaagccg cttcgtgcct ttcctgtaac 840
 gttggatcct ctttttctgt cccctgctgt ctcaaggccc caagttaaaag ggttaaaagcc 900
 gctggagctt ggggagagaa cattgtggaa tggaggggat catgcccttt gtggagtctt 960
 ttttttttaa ttaataaaat aaaagttgga tttgaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
 aaaaaaaaaa ctcgcagggg gggcccgtac ccgaatcgcc ctatg 1065

<210> 103
 <211> 687
 <212> DNA

<213> Homo sapiens

<220>

<221> SITE

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (55)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (657)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> SITE

<222> (664)

<223> n equals a,t,g, or c

<400> 103

aaaccagctt	ttgccctgat	tacgccangc	tcgnaattam	cctcactaaa	gggancaaag	60
ctggagctcc	accgcggtgg	cgcccgctct	agaactagt	gatccccgg	gctgcaggaa	120
ttgggcacga	gcagaaaaca	acatggaagc	caagttccta	ggaaatgcac	cctgtgggca	180
ctacacattc	aagttcccc	aggcaatg	gacagagagt	aacctcggag	ccaaggtgtt	240
cttcttcaaa	gcactgctat	taactggaga	cttttcccag	gctgggaata	agggccatca	300
tgtgtgggtc	actaaggatg	agctgggtga	ctatttgaaa	ccaaaatacc	tggcccaagt	360
taggaggttt	gtttcagacc	tctgatgggc	cgagctgcct	gtggacggtg	ctcagacaag	420
tctgggatta	gagcctcaag	gacatttgt	gattgcctca	catttgcagg	taatatcaag	480
cagcaaaacta	aattctgaga	aataaacgag	tctattacaa	aaaaaaaaaa	aaaaaaactcg	540
agggggggcc	cggtacccaa	tttgcacct	tagtgagtcg	tattacaatt	cactggccgt	600
cgttttacaa	cgctgtgact	ggggaaaccc	tggcgttacc	caacttaata	gccttgnagn	660
aacntccctt	ttcggcagct	ggggtaa				687

<210> 104

<211> 804

<212> DNA

<213> Homo sapiens

<400> 104

gaattcggca	cgagattttc	ttcatgcagt	attctcagat	tggaacatg	cttcatgttt	60
cttataaata	accctcaatt	atgagggcgt	acttttctact	ttgaagaaaa	ttgacttgca	120
ttaaagtggc	taacaattct	ttcctgggca	ggatgtaaaa	ttttcctctc	ctctaatacc	180
agtactgttg	agctcacatt	ctcccacttt	tcctcttttc	aggtgggtca	cgtatttggg	240
attttatgaa	acctcagaag	cagacatgtt	aactttttctt	atctttttat	tccttgaggt	300

agtcctgggg	ctcttaagag	attacagttc	ttaaaacctg	gaaagtgaca	ccagagaggt	360
agatcttagt	tcccaaaatt	aaagttactt	tctagggcat	aaaacctttt	cagaattcag	420
attaaatttt	atztattttt	tcttttttct	gtaaccttat	atgtgagggg	aaaattttat	480
tttcaacttt	tgcataatc	taatttaaca	tttgggaaaa	ctgtaaatgg	gccaaagt	540
ctccctttat	atgattttcc	agatttttac	cactttctta	gtgccacttg	atgctaggca	600
ttgtctattg	gagactcact	ggtacgtaac	tgcaggtttt	accatggaac	cacatatata	660
catgtcttgg	aattgaggg	tagggtttcc	agaaggactt	agttgtcctg	tgcttttgtc	720
tgcccatgc	caaagaccac	taagaacagt	tttgttaagt	aaacttgggt	ctacacgtta	780
aaaaaaaaaa	aaaaaaaaac	tcga				804

<210> 105

<211> 373

<212> DNA

<213> Homo sapiens

<400> 105

ccacgcgtcc	ggttctttga	ttgcttcata	agaaaccggt	gtattgctct	gtgctgaggt	60
cttagatatg	ttctagcact	caggagtcca	aaccattgct	tttgggttag	aaatgcatga	120
aagaaacatg	cacgtctatc	tgaactacaa	ataaactttc	tgcttaagtc	tacttaggct	180
aatgttgaaa	catttggtca	ttcaacacaa	accacatggg	ggcagaagaa	gagagaccct	240
cattacacca	catagtagca	ataggagctg	caatgtcaca	atgagtttta	aaaagaatgc	300
ctcttttaaa	gaaaaaaaaa	aacaagaaag	aaagaaaaaa	aaaaaaaaaa	aaaaaaaaaa	360
aaaaaaaaaa	aaa					373

<210> 106

<211> 687

<212> DNA

<213> Homo sapiens

<400> 106

ccacgcgtcc	gctcctgtga	ggtatgggtc	tgggtgcaga	tgcagtgtgg	ctctggatag	60
caccttatgg	acagtttgt	ccccaggaa	ggatgagaat	agctactgaa	gtcctaaaga	120
gcaagcctaa	ctcaagccat	tggcacacag	gcattagaca	gaaagctgga	agttgaaatg	180
gtggagtcca	acttgcttg	accagcttaa	tggttctgct	cctggtaacg	tttttatcca	240
tggatgactt	gcttgggtaa	ggacatgaag	acagttcctg	tcataccttt	taaaggatat	300
gagagtgggc	ttgactacac	tgtgtggagc	aagtttttaa	gaagcaaagg	actcagaatt	360
catgattgaa	gaaatgcagg	cagacctgtt	atcctaaact	agggttttta	atgaccacaa	420
caagcaagca	tgcagcttac	tgcttgaaag	ggtcttgctc	cacccaagct	agagtgcagt	480
ggcctttgaa	gcttactaca	gcctcaaact	tctgggctca	agtgatcctc	agcctccdag	540
tggtctttgt	agactgcctg	atggagtctc	atggcacaag	aagattaaaa	cagtgtctcc	600
aatttttaata	aattttttgca	atccaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	660
aaaaaaaaaa	aaaaaaaaaa	aaaaaaa				687

<210> 107

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 107

Met Glu Val Leu Phe Asp Ser Leu Leu Phe Ser Ser Phe Ile Phe Pro

1 5 10 15
 Ser Gln Ser Leu Leu Ser Arg Thr Ser Ala Phe Ser His Lys Pro Asn
 20 25 30

Gly Leu Ser Glu Xaa
 35

<210> 108

<211> 457

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (169)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 108

Met Val Thr Cys Thr Cys Leu Pro Asp Tyr Glu Gly Asp Gly Trp Ser
 1 5 10 15

Cys Arg Ala Arg Asn Pro Cys Thr Asp Gly His Arg Gly Gly Cys Ser
 20 25 30

Glu His Ala Asn Cys Leu Ser Thr Gly Leu Asn Thr Arg Arg Cys Glu
 35 40 45

Cys His Ala Gly Tyr Val Gly Asp Gly Leu Gln Cys Leu Glu Glu Ser
 50 55 60

Glu Pro Pro Val Asp Arg Cys Leu Gly Gln Pro Pro Pro Cys His Ser
 65 70 75 80

Asp Ala Met Xaa Thr Asp Leu His Phe Gln Glu Lys Arg Ala Gly Val
 85 90 95

Phe His Leu Gln Ala Thr Ser Gly Pro Tyr Gly Leu Asn Phe Ser Glu
 100 105 110

Ala Glu Ala Ala Cys Glu Ala Gln Gly Ala Val Leu Ala Ser Phe Pro
 115 120 125

Gln Leu Ser Ala Ala Gln Gln Leu Gly Phe His Leu Cys Leu Met Gly
 130 135 140

Trp Leu Ala Asn Gly Ser Thr Ala His Pro Val Val Phe Pro Val Ala
 145 150 155 160

Asp Cys Gly Asn Gly Arg Val Gly Xaa Val Ser Leu Gly Ala Arg Lys
 165 170 175

Asn Leu Ser Glu Arg Trp Asp Ala Tyr Cys Phe Arg Val Gln Asp Val
 180 185 190
 Ala Cys Arg Cys Arg Asn Gly Phe Val Gly Asp Gly Ile Ser Thr Cys
 195 200 205
 Asn Gly Lys Leu Leu Asp Val Leu Ala Ala Thr Ala Asn Phe Ser Thr
 210 215 220
 Phe Tyr Gly Met Leu Leu Gly Tyr Ala Asn Ala Thr Gln Arg Gly Leu
 225 230 235 240
 Asp Phe Leu Asp Phe Leu Asp Asp Glu Leu Thr Tyr Lys Thr Leu Phe
 245 250 255
 Val Pro Val Asn Glu Gly Phe Val Asp Asn Met Thr Leu Ser Gly Pro
 260 265 270
 Asp Leu Glu Leu His Ala Ser Asn Ala Thr Leu Leu Ser Ala Asn Ala
 275 280 285
 Ser Gln Gly Lys Leu Leu Pro Ala His Ser Gly Leu Ser Leu Ile Ile
 290 295 300
 Ser Asp Ala Gly Pro Asp Asn Ser Ser Trp Ala Pro Val Ala Pro Gly
 305 310 315 320
 Thr Val Val Val Ser Arg Ile Ile Val Trp Asp Ile Met Ala Phe Asn
 325 330 335
 Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala Pro Pro Gln Pro
 340 345 350
 Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala Ala Gly Val Gly
 355 360 365
 Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val Ala Gly Ala Leu
 370 375 380
 Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly Phe Ser Ala Phe
 385 390 395 400
 Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro Trp Gln Glu Gly
 405 410 415
 Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val Phe Gly Ser Asp
 420 425 430
 Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu Glu Asp Phe Pro
 435 440 445
 Asp Thr Gln Arg Ile Leu Thr Val Lys
 450 455

<210> 109

<211> 103

<212> PRT

<213> Homo sapiens

<400> 109

Met Gly Ser Trp Cys Leu Arg Gly Gly Ala Val Glu Glu Pro Ala Leu
1 5 10 15

Gln Ser Arg Glu Met Gly Tyr Ile Pro Val Leu Leu Pro Ser Ile Gly
20 25 30

Leu Glu Val Ser Gln Leu Leu Ala Gly Ala Gly Asp Ile Arg Asp Pro
35 40 45

Pro Asn Gln Glu Ile Pro His Gln Leu Phe Ser Arg Asp Val Ala Asn
50 55 60

Pro Ile Cys Arg Asp Phe Ile Thr Arg Glu Thr Leu Ser Thr Glu Ile
65 70 75 80

Leu Met Ile Asp Ile Leu Leu Thr Arg Ser Ser Pro Leu Thr Phe Cys
85 90 95

Leu Tyr Arg Asp Ala Phe Asp
100

<210> 110

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 110

Met Gly Gly Thr Glu Ser Tyr Ile Ser Ser Ser Pro Leu Leu Arg Thr
1 5 10 15

Leu Leu Leu Ser Tyr Leu Val Phe Leu Tyr Tyr Leu Tyr Leu Leu Phe
20 25 30

Tyr Val Ala Arg Ser Pro Phe Gly Lys Ala Glu Tyr Lys Xaa
35 40 45

<210> 111

<211> 210

<212> PRT

<213> Homo sapiens

<400> 111

Met Ala Ser Leu Leu Gln Gln Ile Glu Ile Glu Arg Ser Leu Tyr Ser
1 5 10 15

Asp His Glu Leu Arg Ala Leu Asp Glu Asn Gln Arg Leu Ala Lys Lys
20 25 30

Lys Ala Asp Leu His Asp Glu Glu Asp Glu Gln Asp Ile Leu Leu Ala
 35 40 45
 Gln Asp Leu Glu Asp Met Trp Glu Gln Lys Phe Leu Gln Phe Lys Leu
 50 55 60
 Gly Ala Arg Ile Thr Glu Ala Asp Glu Lys Asn Asp Arg Thr Ser Leu
 65 70 75 80
 Asn Arg Lys Leu Asp Arg Asn Leu Val Leu Leu Val Arg Glu Lys Phe
 85 90 95
 Gly Asp Gln Asp Val Trp Ile Leu Pro Gln Ala Glu Trp Gln Pro Gly
 100 105 110
 Glu Thr Leu Arg Gly Thr Ala Glu Arg Thr Leu Ala Thr Leu Ser Glu
 115 120 125
 Asn Asn Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr
 130 135 140
 Thr Phe Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala
 145 150 155 160
 Lys Val Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln
 165 170 175
 Ala Gly Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly
 180 185 190
 Asp Tyr Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser
 195 200 205
 Asp Leu
 210

<210> 112
 <211> 110
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals stop translation

<400> 112
 Met Val Leu Thr Gly Val Arg Leu Met Lys Trp Arg Asp Glu Lys Thr
 1 5 10 15
 Phe Gly Thr Asp Cys Val Glu Ala Val Ile Leu Leu Val Thr Leu Leu
 20 25 30
 Trp Glu Lys Lys Glu Ala Phe His Val Gly Phe Ser Glu Glu Leu Gln
 35 40 45
 Tyr Phe Pro Glu Arg Ser Thr Glu Lys Leu Lys Val Phe Glu Trp Glu

50 55 60

Glu Glu Lys Gln Thr Thr Ala Thr Ser Glu Asp Asn Thr Lys His Leu
65 70 75 80

Val His Ser Val Tyr Thr Arg Gly Ala Val Asn Phe Leu Val Glu Lys
85 90 95

Glu Leu Ser Leu Glu Lys Tyr Leu Lys Lys Pro Leu Lys Xaa
100 105 110

<210> 113
<211> 61
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (61)
<223> Xaa equals stop translation

<400> 113
Met Ala Ala Val Met Leu Val Leu Thr Val Val Leu Gly Leu Tyr Asn
1 5 10 15

Ser Tyr Asn Ser Cys Ala Glu Gln Ala Asp Gly Pro Leu Gly Arg Ser
20 25 30

Thr Cys Ser Ala Ala Pro Gly Thr Pro Gly Gly Ala Gln Asp Ser Ser
35 40 45

Met Ser Ser Leu Gln Ser Ser Arg Lys Pro His Thr Xaa
50 55 60

<210> 114
<211> 135
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (135)
<223> Xaa equals stop translation

<400> 114
Met Val Glu Asn Ser Pro Ser Pro Leu Pro Glu Arg Ala Ile Tyr Gly
1 5 10 15

Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr Leu Val
20 25 30

Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser Leu Gly Leu Thr Tyr
35 40 45

Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro Val Tyr Leu Leu Ile
50 55 60

Ala Ile Val Ile Gly Tyr Val Leu Leu Phe Gly Ile Asn Met Met Ser
65 70 75 80

Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp Asn Tyr Ala Lys
85 90 95

Asn Gln Gln Gln Lys Lys Tyr Gln Glu Glu Ala Ile Pro Ala Leu Arg
100 105 110

Asp Ile Ser Ile Ser Glu Val Asn Gln Met Phe Phe Leu Ala Ala Lys
115 120 125

Glu Leu Tyr Thr Lys Asn Xaa
130 135

<210> 115

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 115

Met Arg Leu Gln Pro Asp Ile Cys Asn Leu Pro Thr Asn Pro Leu Ser
1 5 10 15

Leu Lys Leu Gly Leu Met Leu Leu Ser Leu Thr Leu Cys Leu Glu Lys
20 25 30

Thr Val Gln Gly Leu Lys Leu Gly Leu Cys Leu Phe Lys Leu Ser Phe
35 40 45

Ser Glu His Met Val Cys Pro Thr His Pro Gln Ser Ile Arg Trp Phe
50 55 60

Tyr Phe Met Phe Arg Leu Gln Cys Cys Xaa
65 70

<210> 116

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (88)

<223> Xaa equals stop translation

<400> 116

Met Ala Ala Gly Trp Val Arg Ser Trp Val Val Tyr Phe Leu Val Thr
1 5 10 15

Leu Leu Gly Ser Ser Pro Ser Pro Val Ser Leu Thr Glu Gly Lys Lys
 20 25 30

Ile Pro Lys Gly Thr Ala Thr Val Leu Gly Gly Ala Leu Asp Cys Val
 35 40 45

His Leu Asn Phe Gly Pro Ser Phe Asp Val Trp Phe Val Ser His Lys
 50 55 60

Glu Lys Tyr Leu Lys Val Asn Met Met Leu Leu Ala Tyr Tyr Pro Asp
 65 70 75 80

Tyr Cys Met Lys Leu Cys Leu Xaa
 85

<210> 117

<211> 37

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals stop translation

<400> 117

Met Leu Tyr Ile Leu Leu Lys Pro Leu Leu Cys Leu Ser Val Asn Cys
 1 5 10 15

Thr Asn Ile Tyr Gln Met Leu Thr Lys Ser Gln Gly Leu Asp Leu Ala
 20 25 30

Leu Gly Arg Asn Xaa
 35

<210> 118

<211> 52

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals stop translation

<400> 118

Met Trp Trp Trp Leu Met Leu Ala Thr Thr Ala Leu Lys Pro Ile Ala
 1 5 10 15

Thr Ser Ser Ser Cys Thr Glu Ala Leu Pro Gly Leu Trp Arg Asp Arg
 20 25 30

His Trp Gly Asp Trp Thr Arg Gly Ser Gly Trp Glu Val Gly Gln Thr
 35 40 45

Trp Gln His Xaa

50

<210> 119
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals stop translation

<400> 119
 Met Gly Ser Trp Phe Tyr Leu Phe Leu Ala Pro Leu Phe Lys Gly Leu
 1 5 10 15
 Ala Gly Ser Leu Pro Phe Gly Cys Leu Ser Leu Leu Gln Pro Thr Glu
 20 25 30
 Lys Thr Ala Leu Gln Ser Gly Gly Ser Ser Xaa
 35 40

<210> 120
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 120
 Met Gly Pro Lys Ser Gln Thr Glu Arg Thr Ser Ser Leu Met Pro His
 1 5 10 15
 Gln Val Arg Glu Arg Arg Ala His Ile Pro Gln Met Pro Met Asn Thr
 20 25 30

<210> 121
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 121
 Met Phe Lys Asp Phe Ile Phe Leu Thr Phe Leu Pro Lys Leu Ser Gln
 1 5 10 15
 Phe Val Lys Gly Ser Leu Ile Ser Gly Leu Ser Glu Cys Asp Asn Thr
 20 25 30
 Ser Leu Lys Ala Ile Leu Gly Phe Ser Asn Tyr Ser Gln Xaa

35

40

45

<210> 122
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 122

Met Ala Lys Val Ala Lys Asp Leu Asn Pro Gly Val Lys Lys Met Ser
 1 5 10 15

Leu Gly Gln Leu Gln Ser Ala Arg Gly Val Ala Cys Leu Gly Cys Lys
 20 25 30

Gly Thr Cys Ser Gly Phe Glu Pro His Ser Trp Arg Lys Ile Cys Lys
 35 40 45

Ser Cys Lys Cys Ser Gln Glu Asp His Cys Leu Thr Ser Asp Leu Glu
 50 55 60

Asp Asp Arg Lys Ile Gly Arg Leu Leu Met Asp Ser Lys Tyr Ser Thr
 65 70 75 80

Leu Thr Ala Arg Val Lys Gly Gly Asp Gly Ile Arg Ile Tyr Lys Arg
 85 90 95

Asn Arg Met Ile Met Thr Asn Pro Ile Ala Thr Gly Lys Asp Pro Thr
 100 105 110

Phe Asp Thr Ile Thr Tyr Glu Trp Ala Pro Pro Gly Val Thr Gln Lys
 115 120 125

Leu Gly Leu Gln Tyr Met Glu Leu Ile Pro Lys Glu Lys Gln Pro Val
 130 135 140

Thr Gly Thr Glu Gly Ala Phe Thr Ala Ala Ala Ser Ser Cys Thr Ser
 145 150 155 160

Ser Pro Ser Met Thr Arg Ile Pro Arg Ala Ala Val Asp Phe Trp Arg
 165 170 175

Met Ser

<210> 123
 <211> 48
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (48)

<223> Xaa equals stop translation

<400> 123

Met Gly Ile Met Leu Leu Ser Tyr Ser Asn Gly Thr Val Leu Phe Ile

1 5 10 15
 Phe Val Pro Gln Ile Thr Ser Ser Val Leu Ser Val Phe Cys Ile Val
 20 25 30

Phe Val Gln Asp Ser Leu Gly Phe Ile Ser Val Ile Ser Ala Phe Xaa
 35 40 45

<210> 124
 <211> 68
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals stop translation

<400> 124
 Met Lys Leu Leu Leu Leu Thr Leu Thr Val Leu Leu Leu Leu Ser Gln
 1 5 10 15

Leu Thr Pro Gly Gly Thr Gln Arg Cys Trp Asn Leu Tyr Gly Lys Cys
 20 25 30

Arg Tyr Arg Cys Ser Lys Lys Glu Arg Val Tyr Val Tyr Cys Ile Asn
 35 40 45

Asn Lys Met Cys Cys Val Lys Pro Lys Tyr Gln Pro Lys Glu Arg Trp
 50 55 60

Trp Pro Phe Xaa
 65

<210> 125
 <211> 75
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (75)
 <223> Xaa equals stop translation

<400> 125
 Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys Leu Ala Val Pro
 1 5 10 15

Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu Phe His Ser Cys
 20 25 30

Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp Arg Glu Phe Tyr
 35 40 45

Arg Asp Trp Trp Asn Ser Glu Ser Val Thr Tyr Phe Trp Gln Asn Trp
 50 55 60

Asn Ile Pro Val His Lys Trp Cys Ile Arg Xaa
 65 70 75

<210> 126

<211> 65

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals stop translation

<400> 126

Met Thr Lys Glu Asp Lys Ala Ser Ser Glu Ser Leu Arg Leu Ile Leu
 1 5 10 15

Val Val Phe Leu Gly Gly Cys Thr Phe Ser Glu Ile Ser Ala Leu Arg
 20 25 30

Phe Leu Gly Arg Glu Lys Gly Tyr Arg Phe Ile Phe Leu Thr Thr Ala
 35 40 45

Val Thr Asn Ser Ala Arg Leu Met Glu Ala Met Ser Glu Val Lys Ala
 50 55 60

Xaa
 65

<210> 127

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (37)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals stop translation

<400> 127

Met Leu Leu Tyr Tyr Ser Val Met Thr Leu Ser Ser Leu Gly Gln Asp
 1 5 10 15

Pro Ser Leu Pro Thr Phe Ala Asp Arg His Ser Gly Met Trp Arg Gln
 20 25 30

Gln Cys Val Pro Xaa Thr Phe Leu Tyr Pro Pro Ala Val Gly Ser Thr

35

40

45

Gln Trp Lys Gly Asp Met Thr Leu Ile Leu Leu Phe Xaa
 50 55 60

<210> 128

<211> 31

<212> PRT

<213> Homo sapiens

<400> 128

Met Ser Lys Arg Phe Thr Leu Asp Tyr Leu Phe Leu Ser Glu Ile Val
 1 5 10 15

Leu Cys Leu Phe Tyr Tyr Leu Leu Leu Ile Arg Ala Leu Ala Leu
 20 25 30

<210> 129

<211> 22

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals stop translation

<400> 129

Met Gln Ile Ile Phe Leu Ala Val Thr Cys Ser Phe Thr Thr Ala Glu
 1 5 10 15

Ser Ala Val Ala Arg Xaa
 20

<210> 130

<211> 49

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals stop translation

<400> 130

Met Gly Phe Ser His Arg Ser Pro Pro Val Ala His Pro Arg Ala Arg
 1 5 10 15

Asn Arg Arg Ser Gln Glu Val Val Thr Glu Leu Gly Pro Cys Leu Leu
 20 25 30

Leu Cys Thr Leu Leu Val Gln Thr Gly Val Val Gly Ser Gln Ala Leu
 35 40 45

Xaa

<210> 131
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 131
 Met Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu
 1 5 10 15
 Gly Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn
 20 25 30
 Ala Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly
 35 40 45
 Thr Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His Xaa
 50 55 60

<210> 132
 <211> 161
 <212> PRT
 <213> Homo sapiens

<400> 132
 Met Pro Gly Leu Ser Ala Ala Leu Thr Asp Cys Ser Ser Leu Pro His
 1 5 10 15
 Gly Phe Pro Phe Phe Leu Glu Tyr Leu Phe Phe Arg Gly Asn Met Gln
 20 25 30
 Leu Gly Leu Lys Thr Phe Pro Pro Ile Ser Pro Thr Gln Pro Arg Leu
 35 40 45
 Gly Phe Ser Gly Glu Leu Arg Ser Leu Ser Val Phe Ile Phe His Pro
 50 55 60
 Phe Ile Val Thr Ser Phe Val Ile Leu Phe Phe Phe Gly Gly Asp Gly
 65 70 75 80
 Val Ile Val Asn Leu Ile Ser Val Ser Tyr Leu Phe Ala Ser Pro Pro
 85 90 95
 Ser Pro Pro His Glu Leu Leu Pro Ser Arg Gly Leu Ala Gln Leu Ala
 100 105 110
 Leu Gly Thr Arg Glu Arg Thr Asp Ser Gly Pro Pro Gln Leu Ser Pro
 115 120 125
 Pro Ser Leu Trp Lys Gly Gly Trp Gly Ser Gly Ala Ser Ser Trp Ala

130

135

140

Leu Cys Glu Ala Trp Pro Pro Leu Pro Thr Leu Ala Leu Asp Cys Tyr
 145 150 155 160

Ser

<210> 133

<211> 49

<212> PRT

<213> Homo sapiens

<400> 133

Met Gly Gln Ser Phe Ser Leu Tyr Met Ile Phe Gln Ile Phe Thr Thr
 1 5 10 15

Phe Leu Val Pro Leu Asp Ala Arg His Cys Leu Leu Glu Thr His Trp
 20 25 30

Tyr Val Thr Ala Gly Phe Thr Met Glu Pro His Ile His Met Ser Trp
 35 40 45

Asn

<210> 134

<211> 38

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (38)

<223> Xaa equals stop translation

<400> 134

Met Trp Gln His Cys Phe Val Ile Leu Phe Val Gln Val Met His Thr
 1 5 10 15

Val Leu Ile Lys Gly Ser Asn Lys Tyr Trp Gly Leu Phe Phe Phe Phe
 20 25 30

Pro Gln Gly Ile Leu Xaa
 35

<210> 135

<211> 77

<212> PRT

<213> Homo sapiens

<400> 135

Met Tyr Thr Phe Ile Cys Thr Trp Leu Trp Arg Asp Lys Leu Ile His
 1 5 10 15

Ile Gly Leu Gln Ile Ser Leu Thr Gly Arg Arg Ala Gln Lys Asn Asn
 20 25 30

Ile Phe Leu His Phe Phe Gly Ser Ile Leu Lys Asn Lys Lys Gly Thr
 35 40 45

Pro Lys Gly Ser Leu Val Thr Pro Leu Leu Gly Phe Leu Ile Thr Asn
 50 55 60

Ile Ile Phe Thr Cys Lys Val Asn Gly Pro Leu Ile Ser
 65 70 75

<210> 136

<211> 31

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (31)

<223> Xaa equals stop translation

<400> 136

Met Glu Gly Leu Met Leu Pro Leu Leu Ser Val Ile Tyr Ser Glu Gly
 1 5 10 15

Thr Val Trp Glu Glu Ile Ile Val Ser Gly Arg Gln Tyr Tyr Xaa
 20 25 30

<210> 137

<211> 58

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (58)

<223> Xaa equals stop translation

<400> 137

Met Cys Gly Val Thr Tyr Ala Trp Tyr Met Pro Leu Leu Leu Leu Lys
 1 5 10 15

Phe Tyr Ser Leu Leu Leu Ala Gln Val Leu Leu Asn Pro Phe Leu Met
 20 25 30

Cys Thr Gly Trp Arg Lys Asn Tyr Ser Gln His Phe Glu Arg Lys Val
 35 40 45

Phe Arg Asn Asn Ile Asn Trp His Tyr Xaa
 50 55

<210> 138

<211> 40

<212> PRT

<213> Homo sapiens

<400> 138

Met Phe Ile Phe Arg Asp Gly Leu Thr Met Phe Ser Arg Leu Val Ser
1 5 10 15

Asn Ser Cys Pro Gln Val Ile Leu Pro Ser Trp Pro Pro Glu Ser Leu
20 25 30

Gly Gly Ser Gly Arg Arg Ile Ser
35 40

<210> 139

<211> 47

<212> PRT

<213> Homo sapiens

<400> 139

Met Ser Trp Gly Tyr Phe Leu Gly Ala Ser Val Leu Leu Gln Asn Phe
1 5 10 15

Phe Ser Ser Tyr Leu Leu Thr Pro Ser Gly Lys Ile Ile Glu Glu Val
20 25 30

Thr Val Val Lys Ala Ser Val Asn Ser Ile Ser Lys Asn Phe Met
35 40 45

<210> 140

<211> 30

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (30)

<223> Xaa equals stop translation

<400> 140

Met Pro Gly Ile Phe Ile Leu Phe Met Thr Leu Ala Ser Thr Phe Asp
1 5 10 15

Gln Arg Leu Leu Asn Asp Ser Gln Pro Lys Asp His Ser Xaa
20 25 30

<210> 141

<211> 46

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (46)

<223> Xaa equals stop translation

<400> 141

Met Ala Trp Val Thr Ser Tyr Gly Pro Leu Glu Asp Glu Ser Asn Pro
 1 5 10 15

Ser His Trp Phe Phe Phe Ala Asn Ser Phe Ala Phe Ile Phe Leu Ile
 20 25 30

Thr Ile Asn Ser Ile Phe His Val Leu Arg Ala Pro Gly Xaa
 35 40 45

<210> 142

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 142

Met Asn Gln Arg Tyr Arg His Lys Ile Lys Asn Tyr Lys Thr Ile His
 1 5 10 15

Tyr Ala Tyr Asp Ser Cys Asn Asn Lys Lys Val Gln Gly Thr Ile Ile
 20 25 30

Ser Tyr Asn Arg Gly Ile Thr Ser His Arg Glu Gln Gln Tyr His Ile
 35 40 45

Ala Gly Ile Tyr Thr Arg Ile Leu Gly Asn Leu Val Trp Ile Tyr Thr
 50 55 60

Arg Ile Pro Gly Asp Pro Val Trp Leu Val Arg Gly Phe Pro Glu Lys
 65 70 75 80

Xaa Ile Ser Glu Ser
 85

<210> 143

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 143

Met Lys Asn Met His Val Tyr Leu Asn Tyr Asn Asn Phe Leu Leu Xaa
 1 5 10 15

Leu Leu Arg Leu Met Leu Asn Ile Cys Ser Phe Thr Gln Pro Leu Val
 20 25 30

Ala Glu Glu Glu Arg Pro Leu Thr Pro Leu

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<210> 144

<211> 65

<212> PRT

<213> Homo sapiens

<400> 144

Met Asp Glu Glu Arg Glu Ile Ile Ser His Gly Glu Phe Cys Asn Val
 1 5 10 15

Ser Arg Glu Arg Asp Trp Val Gly Arg Gln Ala Ser Gln Phe Val Lys
 20 25 30

Cys Lys Gly Thr Thr His Arg Thr Leu Ser Leu Thr Arg Ala Val Ser
 35 40 45

Tyr Val Val Leu Ser Pro Leu Ala Lys Asp Leu Pro Leu Leu Ala Ser
 50 55 60

Asp
 65

<210> 145

<211> 312

<212> PRT

<213> Homo sapiens

<400> 145

Met Ala Ala Gly Val Asp Cys Gly Asp Gly Val Gly Ala Arg Gln His
 1 5 10 15

Val Phe Leu Val Ser Glu Tyr Leu Lys Asp Ala Ser Lys Lys Met Lys
 20 25 30

Asn Gly Leu Met Phe Val Lys Leu Val Asn Pro Cys Ser Gly Glu Gly
 35 40 45

Ala Ile Tyr Leu Phe Asn Met Cys Leu Gln Gln Leu Phe Glu Val Lys
 50 55 60

Val Phe Lys Glu Lys His His Ser Trp Phe Ile Asn Gln Ser Val Gln
 65 70 75 80

Ser Gly Gly Leu Leu His Phe Ala Thr Pro Val Asp Pro Leu Phe Leu
 85 90 95

Leu Leu His Tyr Leu Ile Lys Ala Asp Lys Glu Gly Lys Phe Gln Pro
 100 105 110

Leu Asp Gln Val Val Val Asp Asn Val Phe Pro Asn Cys Ile Leu Leu
 115 120 125

Leu Lys Leu Pro Gly Leu Glu Lys Leu Leu His His Val Thr Glu Glu
 130 135 140

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Lys Gly Asn Pro Glu Ile Asp Asn Lys Lys Tyr Tyr Lys Tyr Ser Lys
145 150 155 160

Glu Lys Thr Leu Lys Trp Leu Glu Lys Lys Val Asn Gln Thr Val Ala
165 170 175

Ala Leu Lys Thr Asn Asn Val Asn Val Ser Ser Arg Val Gln Ser Thr
180 185 190

Ala Phe Phe Ser Gly Asp Gln Ala Ser Thr Asp Lys Glu Glu Asp Tyr
195 200 205

Ile Arg Tyr Ala His Gly Leu Ile Ser Asp Tyr Ile Pro Lys Glu Leu
210 215 220

Ser Asp Asp Leu Ser Lys Tyr Leu Lys Leu Pro Glu Pro Ser Ala Ser
225 230 235 240

Leu Pro Asn Pro Pro Ser Lys Lys Ile Lys Leu Ser Asp Glu Pro Val
245 250 255

Glu Ala Lys Glu Asp Tyr Thr Lys Phe Asn Thr Lys Asp Leu Lys Thr
260 265 270

Glu Lys Lys Asn Ser Lys Met Thr Ala Ala Gln Lys Ala Leu Ala Lys
275 280 285

Val Asp Lys Ser Gly Met Lys Ser Ile Asp Thr Phe Phe Gly Val Lys
290 295 300

Asn Lys Lys Lys Ile Gly Lys Val
305 310

<210> 146

<211> 58

<212> PRT

<213> Homo sapiens

<400> 146

Met Asp Lys Asn Val Thr Arg Ser Arg Thr Ile Lys Leu Val Gln Ala
1 5 10 15

Ser Trp Thr Pro Pro Phe Gln Leu Pro Ala Phe Cys Leu Met Pro Val
20 25 30

Cys Gln Trp Leu Glu Leu Gly Leu Leu Phe Arg Thr Ser Val Ala Ile
35 40 45

Leu Ile Leu Pro Trp Gly His Asn Cys Pro
50 55

<210> 147

<211> 63

<212> PRT

<213> Homo sapiens

<400> 147

Met Gly Gln Thr Glu Ala Met Gln Glu Glu Met Arg Thr Arg Thr Cys
 1 5 10 15

Thr Thr Thr Pro Gln Pro Met Glu Thr Ile Arg Gln Asn Lys Thr Arg
 20 25 30

Arg His Met Thr Arg Lys Gln Ala Trp Thr Leu Gln Lys Cys Gln Cys
 35 40 45

His Glu Arg Gln Lys Leu Gly Met Leu Phe Trp Ile Lys Gly Asp
 50 55 60

<210> 148

<211> 85

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (85)

<223> Xaa equals stop translation

<400> 148

Met Tyr Leu Ile His Leu Tyr Gln Val Leu Lys Tyr Leu Asp Lys Ser
 1 5 10 15

Lys Tyr Phe Val Phe Ser Phe Phe Leu Leu Ser Ile Leu Leu Thr Thr
 20 25 30

Val Lys Arg Cys Ser Ile Leu Ile Trp Ser Val Leu Arg Arg Lys Thr
 35 40 45

Met Lys Ala Glu Leu Val Cys Ala Thr Gln Ser Lys Pro Leu Leu Phe
 50 55 60

Phe Trp Lys Asp Gly Val Met Phe Phe Lys Asp Ser Asn Lys Tyr Pro
 65 70 75 80

Ala Val Ile Ser Xaa
 85

<210> 149

<211> 26

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals stop translation

<400> 149

Met Thr Ser Tyr Ile Ile Asn Leu Ser Phe Phe Leu Pro Leu Ala Thr
 1 5 10 15

Arg Lys Val Ser Ala Lys Pro Cys Gly Xaa
 20 25

<210> 150
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (17)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (18)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (49)
 <223> Xaa equals stop translation

<400> 150
 Met Leu Pro Leu Met Thr Tyr Ile Ile Gln Tyr Ile Tyr Thr Tyr Ile
 1 5 10 15

Xaa Xaa Val Arg Val Leu Ala Ile Leu Phe Leu Arg Arg Val Leu Ser
 20 25 30

Gln Thr Leu Leu His Ala Val Tyr Gly Val Ser Cys Val Leu Ile Phe
 35 40 45

Xaa

<210> 151
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 151
 Met Val Cys Gly Val Phe Cys Cys Leu Pro Leu Glu Val Leu Pro Phe
 1 5 10 15

Ser Arg Pro Ile Asn Val Leu Trp Leu Leu Asn Tyr Ser Ser Thr Leu
 20 25 30

Gln Cys Thr Gly Phe Pro Pro Gly Val Asn Thr Asn Gly Gly His Leu
 35 40 45

Leu Val Phe Leu Glu Val Leu Gly Glu Phe Ser Asp Leu Trp Leu
 50 55 60

<210> 152

<211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (34)
 <223> Xaa equals stop translation

<400> 152
 Met Ser Ser Gly Leu Phe Leu Val Leu Phe Cys Phe Leu Cys Val Phe
 1 5 10 15

Val Gly Phe Phe Asp Phe His Cys Trp Cys Asp Ile Leu Val Lys Ser
 20 25 30

Ser Xaa

<210> 153
 <211> 211
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (211)
 <223> Xaa equals stop translation

<400> 153
 Met Arg Cys Leu Thr Thr Pro Met Leu Leu Arg Ala Leu Ala Gln Ala
 1 5 10 15

Ala Arg Ala Gly Pro Pro Gly Gly Arg Ser Leu His Ser Ser Ala Val
 20 25 30

Ala Ala Thr Tyr Lys Tyr Val Asn Met Gln Asp Pro Glu Met Asp Met
 35 40 45

Lys Ser Val Thr Asp Arg Ala Ala Arg Thr Leu Leu Trp Thr Glu Leu
 50 55 60

Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe Arg Glu Pro Ala
 65 70 75 80

Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser Pro Arg Phe Arg
 85 90 95

Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu Glu Arg Cys Ile
 100 105 110

Ala Cys Lys Leu Cys Glu Ala Ile Cys Pro Ala Gln Ala Ile Xaa Ile

115 120 125
 Glu Ala Glu Pro Arg Ala Asp Gly Ser Arg Arg Thr Thr Arg Tyr Asp
 130 135 140
 Ile Asp Met Thr Lys Cys Ile Tyr Cys Gly Phe Cys Gln Glu Ala Cys
 145 150 155 160
 Pro Val Asp Ala Ile Val Glu Gly Pro Asn Phe Glu Phe Ser Thr Glu
 165 170 175
 Thr His Glu Glu Leu Leu Tyr Asn Lys Glu Lys Leu Leu Asn Asn Gly
 180 185 190
 Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr Leu
 195 200 205
 Tyr Arg Xaa
 210

 <210> 154
 <211> 115
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (77)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> SITE
 <222> (115)
 <223> Xaa equals stop translation

 <400> 154
 Met Leu Pro Gly Leu Arg Arg Leu Leu Gln Ala Pro Ala Ser Ala Cys
 1 5 10 15
 Leu Leu Leu Met Leu Leu Ala Leu Pro Leu Ala Ala Pro Ser Cys Pro
 20 25 30
 Met Leu Cys Thr Cys Tyr Ser Ser Pro Pro Thr Val Lys Leu Pro Gly
 35 40 45
 Gln Gln Leu Leu Leu Cys Ala Ala Val Pro Ala Thr Gln His Ser Ala
 50 55 60
 Thr Leu Pro Ala Glu Gln Pro His Pro His Ala Ala Xaa Arg His Leu
 65 70 75 80
 Trp Val Gln Pro Ala His Pro Val Ala Leu Leu Gln Gln Pro Leu His
 85 90 95
 His Leu Pro Gly His Phe Pro Pro Leu Ala Ser Pro Gly Gly Ser Gly
 100 105 110

Pro Arg Xaa
115

<210> 155
<211> 227
<212> PRT
<213> Homo sapiens

<400> 155

Met Asp Phe Glu Asn Leu Phe Ser Lys Pro Pro Asn Pro Ala Leu Gly
1 5 10 15

Lys Thr Ala Thr Asp Ser Asp Glu Arg Ile Asp Asp Glu Ile Asp Thr
20 25 30

Glu Val Glu Glu Thr Gln Glu Glu Lys Ile Lys Leu Glu Cys Glu Gln
35 40 45

Ile Pro Lys Lys Phe Arg His Ser Ala Ile Ser Pro Lys Ser Ser Leu
50 55 60

His Arg Lys Ser Arg Ser Lys Asp Tyr Asp Val Tyr Ser Asp Asn Asp
65 70 75 80

Ile Cys Ser Gln Glu Ser Glu Asp Asn Phe Ala Lys Glu Leu Gln Gln
85 90 95

Tyr Ile Gln Ala Arg Glu Met Ala Asn Ala Ala Gln Pro Glu Glu Ser
100 105 110

Thr Lys Lys Glu Gly Val Lys Asp Thr Pro Gln Ala Ala Lys Gln Lys
115 120 125

Asn Lys Asn Leu Lys Ala Gly His Lys Asn Gly Lys Gln Lys Lys Met
130 135 140

Lys Arg Lys Trp Pro Gly Pro Gly Asn Lys Gly Ser Asn Ala Leu Leu
145 150 155 160

Arg Asn Ser Gly Ser Gln Glu Glu Asp Gly Lys Pro Lys Glu Lys Gln
165 170 175

Gln His Leu Ser Gln Ala Phe Ile Asn Gln His Thr Val Glu Arg Lys
180 185 190

Gly Lys Gln Ile Cys Lys Tyr Phe Leu Glu Arg Lys Cys Ile Lys Gly
195 200 205

Asp Gln Cys Lys Phe Asp His Asp Ala Glu Ile Glu Lys Lys Lys Lys
210 215 220

Lys Thr Arg
225

<210> 156
<211> 114

FORO "E" 1000

<212> PRT
<213> Homo sapiens

<400> 156

Met His Gln Val Ser Thr Cys Phe Gly Pro Gly Arg Gly Leu Ala Leu
1 5 10 15

Thr Phe Met Thr Leu His Ser Phe Arg Glu Ala Ile Thr Leu Asp Cys
20 25 30

Asn Thr Asn Asp Arg Arg Pro Ser Gly Gln Arg Pro Pro Arg Pro Ser
35 40 45

Ala Pro Gln Arg Arg Gly Pro Arg Gly Arg Arg Cys Pro Ser Cys Ser
50 55 60

Pro Cys Ala Leu Ser Leu Thr Ser Pro Gly Ser Cys Leu Leu Lys Thr
65 70 75 80

Pro Val Phe Thr Pro Tyr Lys Ala Ser Ser Glu Gln Thr Gly Arg Pro
85 90 95

Leu Val Glu Pro Ala His Pro Val Pro Ser Ala Trp Arg Pro Gly Pro
100 105 110

Arg Ala

<210> 157
<211> 46
<212> PRT
<213> Homo sapiens

<400> 157

Met Ser Arg Thr Asn Thr Trp Val Ser Trp Gln Ala Ser Arg Ala Asp
1 5 10 15

Trp Pro Glu Thr Asp Pro Gln Glu Ala Leu Gln Pro Ala Leu Val Pro
20 25 30

Ser His Ser Asp Leu Asn Pro Gly Ser Ser Arg Ser Ala Val
35 40 45

<210> 158
<211> 36
<212> PRT
<213> Homo sapiens

<220>

<221> SITE

<222> (36)

<223> Xaa equals stop translation

<400> 158

Met Leu Phe Gln Cys Gln Val Leu Leu Ser Ile Phe Ser Phe Leu Glu
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Pro Val Leu Ser Ser Gly Ser Ser Arg Leu Val Phe Tyr Asn Leu Ser
 20 25 30

Asn Ile Met Xaa
 35

<210> 159
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 159
 Met Val Phe Ser Ala Lys Ile Gly Val Arg Tyr Phe Leu Val Leu Ser
 1 5 10 15

Cys Leu Pro Asn Cys Cys Leu Pro Ala Asp Trp Trp His Ala Gln Trp
 20 25 30

Leu Trp Gly Gln Gly Xaa
 35

<210> 160
 <211> 30
 <212> PRT
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<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 160
 Met Tyr Phe Ser Leu Leu Val Leu Leu Phe Ser Pro Ser Val Leu Phe
 1 5 10 15

Leu Ala Arg Lys Lys Cys Thr Arg Asn Asn Thr Leu Asn Xaa
 20 25 30

<210> 161
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (56)
 <223> Xaa equals stop translation

<400> 161

Met Val Lys Leu Ser Lys Glu Ala Lys Gln Arg Leu Gln Gln Leu Phe
 1 5 10 15
 Lys Gly Ser Gln Phe Ala Ile Arg Trp Gly Phe Ile Pro Leu Val Ile
 20 25 30
 Tyr Leu Gly Phe Lys Arg Gly Ala Asp Pro Gly Met Pro Glu Pro Thr
 35 40 45
 Val Leu Ser Leu Leu Trp Gly Xaa
 50 55

<210> 162
 <211> 70
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals stop translation

<400> 162
 Met Leu Gly Phe Ala Phe Arg Asp Lys Arg Trp Trp Ile Tyr Phe Ala
 1 5 10 15
 Cys Ser Lys Asp Ser Gln Gly Val Arg Ala Ala Tyr Cys Gln Ile Leu
 20 25 30
 Leu Leu Phe Tyr Val Ser Val Tyr Ser Leu Ser Phe Ser Tyr Leu Leu
 35 40 45
 Asp His Phe Cys Ser Leu Pro Lys Pro Leu Leu Phe Gly Thr Val Ser
 50 55 60
 Gln Ile Pro His Phe Xaa
 65 70

<210> 163
 <211> 52
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (52)
 <223> Xaa equals stop translation

<400> 163
 Met Cys Ser Tyr Cys Met Pro Tyr Leu Ile Ile Phe Leu Ser Val Ile
 1 5 10 15
 His Asn His Lys Thr Ile Pro Leu Leu Lys Val Leu Val Asp Lys Leu
 20 25 30
 Asn Cys Ile Ile Thr Asp Leu Cys Ile Ser Arg Asp Asp Val Phe Pro

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Thr Thr Cys Xaa
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<210> 164

<211> 104

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (104)

<223> Xaa equals stop translation

<400> 164

Met Cys Ala Asp Asp Leu Leu Ser Val Leu Leu Tyr Leu Leu Val Lys
1 5 10 15

Thr Glu Ile Pro Asn Trp Met Ala Asn Leu Ser Tyr Ile Lys Asn Phe
20 25 30

Arg Phe Ser Ser Leu Ala Lys Asp Glu Leu Gly Ile Leu Pro Asp Leu
35 40 45

Ile Arg Xaa Cys Pro Leu Asn Ile Arg Gln Gly Ser Leu Ser Ala Lys
50 55 60

Pro Pro Glu Ser Glu Gly Phe Gly Asp Arg Leu Phe Leu Lys Gln Arg
65 70 75 80

Met Ser Leu Leu Ser Gln Met Thr Ser Ser Pro Thr Asp Cys Leu Phe
85 90 95

Lys Ala Asp Ala Leu Leu Glu Xaa
100

<210> 165

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals stop translation

<400> 165

Met Ala Arg Ile Thr Gly Pro Pro Glu Arg Asp Asp Pro Tyr Pro Val
1 5 10 15

Leu Phe Arg Tyr Leu His Ser His His Phe Leu Glu Leu Val Thr Leu
 20 25 30

Leu Leu Ser Ile Pro Val Thr Ser Ala His Pro Gly Val Leu Gln Ala
 35 40 45

Thr Lys Asp Val Leu Lys Phe Leu Ala Gln Ser Gln Lys Gly Leu Leu
 50 55 60

Phe Phe Met Ser Glu Tyr Glu Ala Thr Ile Tyr Xaa
 65 70 75

<210> 166
 <211> 38
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals stop translation

<400> 166
 Met Lys Gln Thr Arg Leu Asn Pro Pro Val Val Phe Ile Leu Leu Gln
 1 5 10 15

Pro Leu Ser Arg Pro Arg Asp Gly Leu Ser Asn Ser Val Leu Ile Ile
 20 25 30

Leu His Ser Val Pro Xaa
 35

<210> 167
 <211> 272
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (120)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (162)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (175)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (176)
 <223> Xaa equals any of the naturally occurring L-amino acids

<223> Xaa equals any of the naturally occurring L-amino acids

Met Ser Ala Leu Arg Arg Ser Gly Tyr Gly Pro Ser Asp Gly Pro Ser
1 5 10 15

Tyr Gly Arg Tyr Tyr Gly Pro Gly Gly Gly Asp Val Pro Val His Pro
20 25 30

Pro Pro Pro Leu Tyr Pro Leu Arg Pro Glu Pro Pro Gln Pro Pro Ile
35 40 45

Ser Trp Arg Val Arg Gly Gly Gly Pro Ala Glu Thr Thr Trp Leu Gly
50 55 60

Glu Gly Gly Gly Gly Asp Gly Tyr Tyr Pro Ser Gly Gly Ala Trp Pro
65 70 75 80

Glu Pro Gly Arg Ala Gly Gly Ser His Gln Ser Leu Asn Ser Tyr Thr
85 90 95

Asn Gly Ala Tyr Gly Pro Thr Tyr Pro Pro Gly Pro Gly Ala Asn Thr
100 105 110

Ala Phe Ile Leu Arg Gly Leu Xaa Cys Thr Trp Leu Tyr Ser Asp Gln
115 120 125

Leu Leu His Arg Ile Pro Ser Thr Tyr Arg Ser Ser Gly Asn Ser Pro
130 135 140

Thr Pro Val Ser Arg Trp Ile Tyr Pro Gln Gln Asp Cys Gln Thr Glu
145 150 155 160

Ala Xaa Pro Leu Arg Gly Lys Val Pro Gly Tyr Pro Pro Ser Xaa Xaa
165 170 175

Pro Gly Met Xaa Leu Pro His Tyr Pro Tyr Gly Asp Gly Asn Arg Ser
180 185 190

Val	Pro	Gln	Ser	Gly	Pro	Thr	Val	Arg	Pro	Gln	Glu	Asp	Ala	Trp	Ala
		195					200					205			

Ser Pro Gly Ala Tyr Gly Met Gly Gly Arg Tyr Pro Trp Pro Ser Ser
210 215 220

Ala Pro Ser Ala Pro Pro Gly Asn Leu Tyr Met Thr Glu Val Leu His
225 230 235 240

His Gly Leu Ala Val Ala Leu Pro Ser His Pro Leu His Pro Gln Ser
245 250 255

Ser Ser Pro Arg Ile Leu His Thr Pro Ile Ala Asn Gln Ile Lys Ala
260 265 270

Run	Time	Temp	Pressure	Flow	Conc	Yield	Quality
1	100	100	100	100	100	100	100
2	100	100	100	100	100	100	100
3	100	100	100	100	100	100	100
4	100	100	100	100	100	100	100
5	100	100	100	100	100	100	100
6	100	100	100	100	100	100	100
7	100	100	100	100	100	100	100
8	100	100	100	100	100	100	100
9	100	100	100	100	100	100	100
10	100	100	100	100	100	100	100
11	100	100	100	100	100	100	100
12	100	100	100	100	100	100	100
13	100	100	100	100	100	100	100
14	100	100	100	100	100	100	100
15	100	100	100	100	100	100	100
16	100	100	100	100	100	100	100
17	100	100	100	100	100	100	100
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19	100	100	100	100	100	100	100
20	100	100	100	100	100	100	100
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22	100	100	100	100	100	100	100
23	100	100	100	100	100	100	100
24	100	100	100	100	100	100	100
25	100	100	100	100	100	100	100
26	100	100	100	100	100	100	100
27	100	100	100	100	100	100	100
28	100	100	100	100	100	100	100
29	100	100	100	100	100	100	100
30	100	100	100	100	100	100	100
31	100	100	100	100	100	100	100
32	100	100	100	100	100	100	100
33	100	100	100	100	100	100	100
34	100	100	100	100	100	100	100
35	100	100	100	100	100	100	100
36	100	100	100	100	100	100	100
37	100	100	100	100	100	100	100
38	100	100	100	100	100	100	100
39	100	100	100	100	100	100	100
40	100	100	100	100	100	100	100
41	100	100	100	100	100	100	100
42	100	100	100	100	100	100	100
43	100	100	100	100	100	100	100
44	100	100	100	100	100	100	100
45	100	100	100	100	100	100	100
46	100	100	100	100	100	100	100
47	100	100	100	100	100	100	100
48	100	100	100	100	100	100	100
49	100	100	100	100	100	100	100
50	100	100	100	100	100	100	100
51	100	100	100	100	100	100	100
52	100	100	100	100			

<210> 168
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 168
 Met Ile Leu Thr Phe Cys Val Phe Leu Leu Phe Ser Phe His Asn Ala
 1 5 10 15

Ile Lys Ser Thr Pro Phe Leu Lys Phe Xaa
 20 25

<210> 169
 <211> 26
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (21)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals stop translation

<400> 169
 Met Lys Leu Ile Tyr Tyr Cys His Leu Val Asp Ile Leu Leu Leu Gln
 1 5 10 15

Ala Ile Ile Lys Xaa Asn Ala Gly Met Xaa
 20 25

<210> 170
 <211> 132
 <212> PRT
 <213> Homo sapiens

<400> 170
 Met Ile Glu Cys Pro Asp Trp Ala Arg Thr Ala Ser Leu Ala Lys Gln
 1 5 10 15

Arg Arg Lys Val Phe Lys Gln Met Leu Ser Ser Phe Leu His Phe His
 20 25 30

Phe Asn Ser Met Met Pro Leu Cys Pro Ser Asp Asp Ile Ser Pro Gly

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Thr His Val Pro Ser Leu Tyr Thr Asn Gly Asn Ile Leu Lys Ile Leu

20 25 30
 Phe Cys Thr Phe Thr Val Gln Val Pro Tyr Ser Pro Leu Ser Thr Trp
 35 40 45
 Gln Arg Pro Lys Pro Val Lys Gly Arg Val Ser Thr Trp Pro Pro Ser
 50 55 60
 Ser Met Ser Ser Ala Arg Ser Pro Gln Gly Pro
 65 70 75

<210> 173
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals stop translation

<400> 173
 Met Ala Leu Leu Val Leu Thr Leu Tyr Cys Ile Leu Phe Leu Lys Ile
 1 5 10 15
 Tyr Met Pro Val Pro Ser His Cys Glu Gln Phe Lys Gly Arg Asn Xaa
 20 25 30

<210> 174
 <211> 67
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals stop translation

<400> 174
 Met Gln Asn Asp Gly Leu Lys Phe Met Glu Met Val Leu His Val Leu
 1 5 10 15
 Gln Ala Ser Ile Gly Val Leu Leu Leu Met Val Asp Val Leu Glu His
 20 25 30
 Phe Leu Ala Met Leu Ile Gly Asn Ala Gly Ala Pro Leu Pro Leu Leu
 35 40 45
 Asp Val Leu Gly Lys Asp Val Ile Asp Val Ala Glu Arg Arg Glu Ser
 50 55 60
 Lys Lys Xaa
 65

<210> 175
 <211> 128
 <212> PRT
 <213> Homo sapiens

<400> 175
 Met Gln Trp Gly Glu Gly Ala Gly Pro Ser Trp Val Tyr Ile Leu Ser
 1 5 10 15
 Trp Asp Ser Arg Ala Ser Leu Cys Met Cys Ala Ala Ser Arg Tyr Leu
 20 25 30
 Cys Thr Gly Thr Asp Pro Pro Thr Arg Gly Asp Thr Ser Thr Pro His
 35 40 45
 Lys Ala Ile Leu Pro Leu Asp Pro Cys Pro Gln Ile Ser Arg Thr Ala
 50 55 60
 Arg Ala Glu Phe Leu Gln Pro Gly Gly Ser Thr Ser Ser Arg Ala Ala
 65 70 75 80
 Ala Thr Ala Val Glu Leu Gln Leu Leu Phe Pro Leu Val Arg Val Asn
 85 90 95
 Phe Glu Leu Gly Val Ile Met Val Ile Ala Val Ser Cys Val Lys Leu
 100 105 110
 Leu Ser Ala His Asn Ser Thr Gln His Thr Ser Arg Lys His Lys Val
 115 120 125

<210> 176
 <211> 46
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals stop translation

<400> 176
 Met Gly Ser Val Trp Asn Cys Leu Leu Ala Leu Leu Glu Lys His Leu
 1 5 10 15
 Ile Thr Leu Tyr Lys Leu Ile Ile Thr Val Leu Leu Asp Leu Leu Ser
 20 25 30
 Ala Arg His Lys Cys Phe Thr Ser Val Asn Ser Phe Asn Xaa
 35 40 45

<210> 177

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<400> 178
Met Cys Gly Gly His Ala Ile Asn Val Gly Pro Phe Thr Val Ala Gly
 1             5             10             15

Arg Gly Arg Asn Leu Gln Phe Leu Arg Val Leu Leu Leu Arg Cys Pro
      20             25             30

Pro Val Leu Gly His Ser Cys Ser Xaa Pro Cys Pro Ala Trp Ser His
      35             40             45

Pro Pro Ser Ala Asn Arg Ser Leu Gly Arg Val Leu Trp Ala Leu Ile
      50             55             60

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Arg Pro Trp Gln Gly Arg Ser Ser Xaa
65 70

<210> 179
<211> 31
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (31)
<223> Xaa equals stop translation

<400> 179
Met Val Leu Pro Arg Ile Leu Val Leu Met Leu Phe Leu Ala Leu Lys
1 5 10 15

Asn Pro Val Gly Glu Met Arg Asn Leu Thr His Cys Arg Cys Xaa
20 25 30

<210> 180
<211> 72
<212> PRT
<213> Homo sapiens

<400> 180
Met Asp Thr Arg Gly Val Val Leu Arg Ser Gly Glu Phe Asn Arg Gln
1 5 10 15

Glu Gly Arg Glu Lys Thr Glu Gly Arg Ser Ser Ser Ile Trp Arg Gln
20 25 30

Arg Glu Gly Gly Ser Lys Ala Lys Arg Gly Gly Pro Gln Val Gln Trp
35 40 45

Thr Pro Ala Lys Tyr Ile Cys Arg Gly Trp Lys Gly Arg Cys Leu Ile
50 55 60

Tyr Ile Gly Leu Arg Gly Leu Val
65 70

<210> 181
<211> 55
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (38)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals stop translation

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<400> 181

Met Pro His Ile Phe Val Ser Gly Asn Phe Ser Leu Leu Ala Leu Phe
 1 5 10 15

Leu Leu Ser Ala Asn Phe Ile Val Glu Val Gln Ser Trp Leu Leu Leu
 20 25 30

Leu Leu Phe Phe Ile Xaa Leu Gly Arg Ser Tyr Asn Phe Tyr Leu Leu
 35 40 45

Cys Asp Ser Ile Ile Phe Xaa
 50 55

<210> 182

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals stop translation

<400> 182

Met His Asn Leu Ile Ser Ser Ile Ile Ser Phe Leu Tyr Asn Phe Cys
 1 5 10 15

Ala Leu Pro Leu Ala Ser Pro Gln Phe Thr Asn Glu Glu Ser Ser Tyr
 20 25 30

Thr Ala Leu Arg Ser Cys Thr Arg Gly Gly Phe Glu Ser Arg Ser Leu
 35 40 45

Gly Thr Gln Lys Ser Cys Thr Phe Gln Gly Lys Gly Asp Tyr His Val
 50 55 60

Thr Ala Xaa
 65

<210> 183

<211> 74

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (74)

<223> Xaa equals stop translation

<400> 183

Met Thr Thr Leu Phe Glu Thr Asp Arg Cys Leu Leu Phe Leu Val Met
 1 5 10 15

Ser Arg Phe Gly Phe Lys Ser Arg Leu Glu Ala Thr Ser Cys Lys Gln
 20 25 30

Glu Lys Lys Glu Arg Asn Tyr Leu Thr Xaa
65 70

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<210> 184
<211> 45
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (45)  
<223> Xaa equals stop translation
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<400> 184
Met Val Ser Asp Ile Ser Gly Gln Lys Gln Ser Leu Glu Ala Val Lys
  1             5             10             15
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Glu His Leu Leu Phe Ile Trp Leu Pro Val Tyr Lys Ser Thr His Glu
20 25 30

Gly Pro Asn Ser Lys Ile Ser Asn Tyr Gln Val Leu Xaa
35 40 45

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<210> 185
<211> 98
<212> PRT
<213> Homo sapiens
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<220>  
<221> SITE  
<222> (98)  
<223> Xaa equals stop translation
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<400> 185
Met Arg Pro Leu Leu Cys Ala Leu Thr Gly Leu Ala Leu Leu Arg Ala
1 5 10 15

Ala Gly Ser Leu Ala Ala Ala Glu Pro Phe Ser Pro Pro Arg Gly Asp
20 25 30

Ser Ala Gln Ser Thr Ala Cys Asp Arg His Met Ala Val Gln Arg Arg
35 40 45

Leu Asp Val Met Glu Glu Met Val Glu Lys Thr Val Asp His Leu Gly
50 55 60

Thr Glu Val Lys Gly Leu Leu Gly Leu Leu Glu Glu Leu Ala Trp Asn
65 70 75 80

Leu Pro Pro Gly Pro Phe Ser Pro Ala Pro Asp Leu Leu Gly Asp Gly
 85 90 95

Phe Xaa

<210> 186
 <211> 62
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (62)
 <223> Xaa equals stop translation

<400> 186
 Met Ala Ser Leu Leu Asp Asn Phe Ile Leu Asn Ile Ile Val Ile Phe
 1 5 10 15
 Cys Ile Val Ile Asp Ser Tyr Leu Cys Gly Phe Met Tyr Phe Phe Val
 20 25 30
 Ile Asp Ser Pro Val Pro Ala Cys Ser Pro Leu Gln Leu Ser Gln Thr
 35 40 45
 Leu Ile Leu Gln Leu Gln Pro Thr Ala Arg Tyr Phe His Xaa
 50 55 60

<210> 187
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 187
 Met Cys Ile Phe Glu Cys Met Cys His Phe Phe Ile Asp Ile Ser Asn
 1 5 10 15
 His Tyr Tyr Val Val Arg Phe Tyr Pro Glu Asp Ser Leu Pro Lys Thr
 20 25 30
 Phe Ile Tyr Asp Pro Phe Lys Ala
 35 40

<210> 188
 <211> 153
 <212> PRT
 <213> Homo sapiens

<400> 188
 Met Cys Glu Ser Asn Ser Thr Met Pro Gly Pro Ser Leu Glu Ser Pro
 1 5 10 15
 Val Ser Thr Pro Ala Gly Lys Ile Gly Leu Ala Val Cys Tyr Asp Met
 20 25 30

Arg Phe Pro Glu Leu Ser Leu Ala Leu Ala Gln Ala Gly Ala Glu Ile
35 40 45

Leu Thr Tyr Pro Ser Ala Phe Gly Ser Ile Thr Gly Pro Ala His Trp
50 55 60

Glu Val Leu Leu Arg Ala Arg Ala Ile Glu Thr Gln Cys Tyr Val Val
65 70 75 80

Ala Ala Ala Gln Cys Gly Arg His His Glu Lys Arg Ala Ser Tyr Gly
85 90 95

His Ser Met Val Val Asp Pro Trp Gly Thr Val Val Ala Arg Cys Ser
100 105 110

Glu Gly Pro Gly Leu Cys Leu Ala Arg Ile Asp Leu Asn Tyr Leu Arg
115 120 125

Gln Leu Arg Arg His Leu Pro Val Phe Gln His Arg Arg Pro Asp Leu
130 135 140

Tyr Gly Asn Leu Gly His Pro Leu Ser
145 150

<210> 189

<211> 60

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (60)

<223> Xaa equals stop translation

<400> 189

Met Asn Ile Leu Met Phe Ala Phe Met Ile Ile Phe Met Gly Ala Lys
1 5 10 15

Phe Gln Glu Val Glu Phe Trp Val Arg Gly Tyr Asp His Leu Lys Ala
20 25 30

Thr Leu Phe Asp Gln Ile Gly Arg Tyr Leu Lys Met Gly Gly Gln Glu
35 40 45

Pro Leu Leu Ala Lys Val Trp Val Arg Gly Thr Xaa
50 55 60

<210> 190

<211> 108

<212> PRT

<213> Homo sapiens

<400> 190

Met Ser Ser Val Ser Leu Ser Ala Ser Ser Ser Ser Ser Lys Val
1 5 10 15

Pro Arg Val Arg Ile Lys Ser Glu Gly Cys Ser Thr Gly Asp Lys Leu
 20 25 30

Ser Leu Ala Val Pro Ala Ser Lys Ala Thr Glu Pro Ile Ser Phe Arg
 35 40 45

Arg Arg Ser Ser Cys Ser Leu Cys Cys Trp Leu Ser Ala Leu Ala Ser
 50 55 60

Asp Phe Phe Arg Arg Ser Tyr Ser Gly Arg Tyr Ser Leu Ser Tyr Ser
 65 70 75 80

Ser Ala Ala Leu Val Thr Cys Thr Lys Ser Ser Ser Asn Pro Val Pro
 85 90 95

Arg Thr Ala Glu Thr Pro Thr Thr Leu Ser Glu Leu
 100 105

<210> 191
 <211> 30
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals stop translation

<400> 191
 Met Ser Ile Thr Leu Ile Gln Leu Met Phe Tyr Phe Asn Thr Pro Glu
 1 5 10 15

Leu Pro His Lys Thr Ser Phe His Val Lys Gly Ser Arg Xaa
 20 25 30

<210> 192
 <211> 23
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (23)
 <223> Xaa equals stop translation

<400> 192
 Met Ser Leu Leu Leu Phe Leu Lys Val His Leu Phe Ser Pro Ser Thr
 1 5 10 15

Ile Phe Lys Arg Asn Asn Xaa
 20

<210> 193
 <211> 106

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (89)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (106)
 <223> Xaa equals stop translation

<400> 193
 Met Gly Pro Ala Leu Met Val Ala Ser Leu Cys Leu Gly Gly Pro Ala
 1 5 10 15
 Pro Ala Val Gly Ala Ile Thr Pro Ser Pro Phe Ile Thr Ser Leu Arg
 20 25 30
 Trp Ala Pro Ser Pro Ala Gly Cys Leu Pro Ser Gly Asn Ser Arg Thr
 35 40 45
 Leu Arg Asp Thr Arg Ala Ala Trp Pro Arg Gly Ala Thr Ala Arg Pro
 50 55 60
 Pro Gly Gly Gln Pro Trp Arg Glu Leu Arg Pro Thr Tyr Ser Gly Val
 65 70 75 80
 Trp Glu Pro Cys Leu Tyr Leu Gly Xaa Ser Pro Ser Gln Leu Pro Pro
 85 90 95
 Cys Val Phe Pro Pro Ala Lys Val Gly Xaa
 100 105

<210> 194
 <211> 54
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals stop translation

<400> 194
 Met Lys Val Gln Ser Phe Tyr Lys Thr Leu Ile Pro Leu Leu Thr Ile
 1 5 10 15
 Phe Met Met Val Ala Leu Val Asn Phe Thr Gly Lys Lys Asn Ser Gln
 20 25 30
 Asn Tyr Pro Ala Gly Asn Ile Ser Ser Leu Pro Lys Asp Lys Thr Val
 35 40 45
 Lys Thr Arg Leu Gly Xaa
 50

<210> 195
 <211> 98
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (98)
 <223> Xaa equals stop translation

<400> 195
 Met Arg Asp Pro Leu Asn Arg Val Leu Ala Asn Leu Phe Leu Leu Ile
 1 5 10 15
 Ser Ser Ile Leu Gly Ser Arg Thr Ala Gly Pro His Thr Gln Phe Val
 20 25 30
 Gln Trp Phe Met Glu Glu Cys Val Asp Cys Leu Glu Gln Gly Gly Arg
 35 40 45
 Gly Ser Val Leu Gln Phe Met Pro Phe Thr Thr Val Ser Glu Leu Val
 50 55 60
 Lys Val Ser Ala Met Ser Ser Pro Lys Val Val Leu Ala Ile Thr Asp
 65 70 75 80
 Leu Ser Leu Pro Leu Gly Arg Gln Val Ala Ala Lys Ala Ile Ala Ala
 85 90 95
 Leu Xaa

<210> 196
 <211> 25
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals stop translation

<400> 196
 Met Gln Gly Ser Pro Leu Val Thr Ala Ile Tyr Lys Ile Phe Leu Leu
 1 5 10 15
 Ser Leu Leu Val Arg Gly Ile Cys Xaa
 20 25

<210> 197
 <211> 126
 <212> PRT
 <213> Homo sapiens

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<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals stop translation

<400> 197

Met Ala Phe Asn Gly Ile Ile His Ala Leu Ala Ser Pro Leu Leu Ala
 1 5 10 15

Pro Pro Gln Pro Gln Ala Val Leu Ala Pro Glu Ala Pro Pro Val Ala
 20 25 30

Ala Gly Val Gly Ala Val Leu Ala Ala Gly Ala Leu Leu Gly Leu Val
 35 40 45

Ala Gly Ala Leu Tyr Leu Arg Ala Arg Gly Lys Pro Met Gly Phe Gly
 50 55 60

Phe Ser Ala Phe Gln Ala Glu Asp Asp Ala Asp Asp Asp Phe Ser Pro
 65 70 75 80

Trp Gln Glu Gly Thr Asn Pro Thr Leu Val Ser Val Pro Asn Pro Val
 85 90 95

Phe Gly Ser Asp Thr Phe Cys Glu Pro Phe Asp Asp Ser Leu Leu Glu
 100 105 110

Glu Asp Phe Pro Asp Thr Gln Arg Ile Leu Thr Val Lys Xaa
 115 120 125

<210> 198

<211> 24

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals stop translation

<400> 198

Met Leu Val Glu Lys Ile Leu Leu Ile Glu Cys Leu Ser Ser Glu Ser
 1 5 10 15

Gln Leu Ile Gly Phe Leu Leu Xaa
 20

<210> 199

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (81)

<223> Xaa equals stop translation

<400> 199

Met Glu Ala Lys Phe Leu Gly Asn Ala Pro Cys Gly His Tyr Thr Phe
 1 5 10 15

Lys Phe Pro Gln Ala Met Arg Thr Glu Ser Asn Leu Gly Ala Lys Val
 20 25 30

Phe Phe Phe Lys Ala Leu Leu Leu Thr Gly Asp Phe Ser Gln Ala Gly
 35 40 45

Asn Lys Gly His His Val Trp Val Thr Lys Asp Glu Leu Gly Asp Tyr
 50 55 60

Leu Lys Pro Lys Tyr Leu Ala Gln Val Arg Arg Phe Val Ser Asp Leu
 65 70 75 80

Xaa

<210> 200

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (23)

<223> Xaa equals stop translation

<400> 200

Met Leu Thr Phe Leu Ile Phe Leu Phe Pro Glu Val Val Leu Gly Leu
 1 5 10 15

Leu Arg Asp Tyr Ser Ser Xaa
 20

<210> 201

<211> 9

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (9)

<223> Xaa equals stop translation

<400> 201

Met His Val Tyr Leu Asn Tyr Lys Xaa
 1 5

<210> 202

<211> 11

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals stop translation

<400> 202
 Met Val Glu Ser Asn Leu Pro Gly Pro Ala Xaa
 1 5 10

<210> 203
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 203
 Thr Phe Lys Ser Leu Trp Lys His Trp Thr Leu Ala Gly Pro Gly Asn
 1 5 10 15
 Ile Gly Lys Asn Trp Ile Gly Arg
 20

<210> 204
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 204
 His Glu Gly Thr Trp Arg Trp Glu Ala Pro Thr Pro Leu Gln Ser Leu
 1 5 10 15
 Gly Pro Thr Thr Pro Ser Leu Pro Ser Val Ala Asp Leu Cys Gln Asp
 20 25 30
 Gly His Gly Gly Cys Ser Glu His Ala Asn Cys Ser Gln Val Gly Thr
 35 40 45

<210> 205
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 205
 Leu Lys Val Pro Thr Cys Tyr Ser Ala Asn Thr
 1 5 10

<210> 206
 <211> 42
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 206
 Trp Gln Val Pro Ala Pro Val Ile Pro Gly Xaa Asp Pro Arg Val Arg
 1 5 10 15
 Gly Ala Arg Lys Arg Thr Leu Leu Gly Val Ala Gly Gly Trp Arg Arg
 20 25 30
 Phe Glu Arg Leu Trp Ala Gly Ser Leu Ser
 35 40

<210> 207
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 207
 Ser Arg Ser Leu Ala Leu Ala Ala Ala Pro Ser Ser Asn Gly Ser Pro
 1 5 10 15
 Trp Arg Leu Leu Gly Ala Leu Cys Leu Gln Arg Pro Pro Val Val Ser
 20 25 30
 Lys Pro Leu Thr Pro Leu Gln Glu Glu
 35 40

<210> 208
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 208
 Met Glu Glu Glu Ala Tyr Ser Lys Gly Phe Gln Glu Gly Leu Lys Lys
 1 5 10 15
 Thr Lys Glu Leu Gln Asp Leu Lys Glu Glu Glu Glu Glu Gln Lys Ser
 20 25 30
 Glu Ser Pro Glu Glu Pro Glu Glu Val
 35 40

<210> 209
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 209
 Glu Glu Thr Glu Glu Glu Glu Lys Gly Pro Arg Ser Ser Lys Leu Glu
 1 5 10 15
 Glu Leu Val His Phe Leu Gln Val Met Tyr Pro Lys Leu Cys Gln His

20

25

30

Trp Gln Val Ile Trp
35

<210> 210
<211> 41
<212> PRT
<213> Homo sapiens

<400> 210
Ile Leu Tyr Leu Val Trp Ala Phe Ile Pro Glu Ser Trp Leu Asn Ser
1 5 10 15

Leu Gly Leu Thr Tyr Trp Pro Gln Lys Tyr Trp Ala Val Ala Leu Pro
20 25 30

Val Tyr Leu Leu Ile Ala Ile Val Ile
35 40

<210> 211
<211> 20
<212> PRT
<213> Homo sapiens

<400> 211
Tyr Gly Phe Val Leu Phe Leu Ser Ser Gln Phe Gly Phe Ile Leu Tyr
1 5 10 15

Leu Val Trp Ala
20

<210> 212
<211> 12
<212> PRT
<213> Homo sapiens

<400> 212
Thr Ser Pro Leu Asp Ser Ile His Thr Ile Thr Asp
1 5 10

<210> 213
<211> 20
<212> PRT
<213> Homo sapiens

<400> 213
Pro Leu Pro Glu Arg Ala Ile Tyr Gly Phe Val Leu Phe Leu Ser Ser
1 5 10 15

Gln Phe Gly Phe
20

<210> 214
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 214
 Pro Thr Arg Gly Gly Ser Leu Cys Ala Cys Pro Gly Trp Gly Leu Pro
 1 5 10 15
 Ser Arg Leu Gly Leu Ser Leu Arg Phe Ser Ser Ser Pro Leu Arg Leu
 20 25 30
 Pro Ser Arg Arg Leu Arg Glu Asn Ser Ala Leu Arg Leu Ser Lys Ala
 35 40 45
 Pro Gly Lys
 50

<210> 215
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 215
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 216
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 216
 Pro Pro Gly Cys Arg Asn Ser Ala Arg Glu
 1 5 10

<210> 217
 <211> 44
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (25)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 217
 Gly Ala Ser Ser Arg Pro Arg Leu Glu Leu Gly Arg Leu Met Gly Pro
 1 5 10 15
 Lys Gly Val Ala Val Asp Arg Asn Xaa His Ile Ile Val Val Asp Asn
 20 25 30
 Lys Ser Cys Cys Val Phe Thr Phe Gln Pro Asn Gly
 35 40

Trp Pro Cys Gly Gly Gly
35

<210> 221
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 221
 Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr Glu Leu Gly
 1 5 10 15

<210> 222
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 222
 Arg Pro Thr Arg Pro Pro Asp Gly Cys His Pro Ser Cys Cys Arg Met
 1 5 10 15

Glu Ala Ala Met Glu Trp Glu Gly Gly Ala Ile Arg His Pro Ser Thr
 20 25 30

Glu Leu Gly Ile
 35

<210> 223
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 223
 Glu Cys Gln Glu Tyr Glu Ile Leu Glu His Cys Trp Trp Glu Cys Lys
 1 5 10 15

Leu Val Gln Pro Phe Trp Lys Ser Ser Cys Arg Ile Pro Ala Ala Arg
 20 25 30

Gly Ile His
 35

<210> 224
 <211> 15
 <212> PRT
 <213> Homo sapiens

<400> 224
 His Cys Trp Trp Glu Cys Lys Leu Val Gln Pro Phe Trp Lys Ser
 1 5 10 15

<210> 225

<211> 6
 <212> PRT
 <213> Homo sapiens

<400> 225
 Phe Thr Phe Pro Pro Thr
 1 5

<210> 226
 <211> 127
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (110)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (112)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (117)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (118)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 226
 His His His Leu Arg Val Gly Ser Pro Trp Ser His Pro Glu Thr Gly
 1 5 10 15

Thr Ala Val His Gly Ala His Pro Gln Gly Glu Ala Ala Ser Asp Arg
 20 25 30

His Arg Gly Cys Phe Tyr Arg Arg Arg Gln Leu Met His Gln Leu Pro
 35 40 45

Ile Tyr Asp Gln Asp Pro Ser Arg Cys Arg Gly Leu Leu Glu Asn Glu
 50 55 60

Leu Lys Leu Met Glu Glu Phe Val Lys Gln Tyr Lys Ser Glu Ala Leu
 65 70 75 80

Gly Val Gly Glu Val Ala Leu Pro Gly Xaa Gly Trp Leu Ala Lys Glu
 85 90 95

Glu Gly Lys Gln Gln Glu Lys Pro Glu Gly Ala Glu Thr Xaa Ala Xaa
 100 105 110

Thr Thr Asn Gly Xaa Xaa Ser Asp Pro Ser Lys Glu Glu Ala Cys
 115 120 125

<210> 227
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 227
 Thr Tyr Glu Trp Ala Pro Pro
 1 5

<210> 228
 <211> 7
 <212> PRT
 <213> Homo sapiens

<400> 228
 Pro Lys Glu Lys Gln Pro Val
 1 5

<210> 229
 <211> 34
 <212> PRT
 <213> Homo sapiens

<400> 229
 Pro Arg Pro Ala Asn Leu Ala Ile Gln Pro Pro Leu Ser Pro Leu Arg
 1 5 10 15

Ala Leu Ala Pro Leu Pro Glu Lys Pro Gly Ala Val Pro Pro Pro Gln
 20 25 30

Lys Arg

<210> 230
 <211> 163
 <212> PRT
 <213> Homo sapiens

<400> 230
 Ala His Ala Val Trp Arg Pro Gly Val Leu Pro Gly Leu Val Glu Leu
 1 5 10 15

Arg Val Cys His Leu Leu Leu Ala Glu Leu Glu His Pro Cys Ala Gln
 20 25 30

Val Val His Gln Val Gly Gly Val Cys Val Cys Val Met Trp Asn Met
 35 40 45

Ala Val Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe
50 55 60

Tyr Lys Pro Met Leu Arg Arg Gly Ser Ser Lys Trp Met Ala Arg Thr
65 70 75 80

Gly Val Phe Leu Ala Ser Ala Phe Phe His Glu Tyr Leu Val Ser Val
85 90 95

Pro Leu Arg Met Phe Arg Leu Trp Ala Phe Thr Gly Met Met Ala Gln
100 105 110

Ile Pro Leu Ala Trp Phe Val Gly Arg Phe Phe Gln Gly Asn Tyr Gly
115 120 125

Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly Gln Pro Ile Ala Val
130 135 140

Leu Met Tyr Val His Asp Tyr Tyr Val Leu Asn Tyr Glu Ala Pro Ala
145 150 155 160

Ala Glu Ala

<210> 231

<211> 8

<212> PRT

<213> Homo sapiens

<400> 231

Tyr Phe Leu Phe Ala Pro Thr Leu
1 5

<210> 232

<211> 16

<212> PRT

<213> Homo sapiens

<400> 232

Asn Leu Asn Arg Phe Pro Cys Pro Leu Leu Cys Arg His Phe Tyr Lys
1 5 10 15

<210> 233

<211> 16

<212> PRT

<213> Homo sapiens

<400> 233

Gln Gly Asn Tyr Gly Asn Ala Ala Val Trp Leu Ser Leu Ile Ile Gly
1 5 10 15

<210> 234
 <211> 17
 <212> PRT
 <213> Homo sapiens

<400> 234
 Leu Tyr Tyr Phe Leu Phe Ala Pro Thr Leu Cys Tyr Glu Leu Asn Phe
 1 5 10 15

Pro

<210> 235
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 235
 Glu Met Leu Phe Phe Thr Gln Leu Gln Val Gly Leu Ile Gln Gln Trp
 1 5 10 15

Met Val Pro Thr Ile Gln Asn Ser Met Lys
 20 25

<210> 236
 <211> 18
 <212> PRT
 <213> Homo sapiens

<400> 236
 Val Thr Tyr Phe Trp Gln Asn Trp Asn Ile Pro Val His Lys Trp Cys
 1 5 10 15

Ile Arg

<210> 237
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 237
 Pro Phe Lys Asp Met Asp Tyr Ser Arg Ile Ile Glu Arg Leu Leu Lys
 1 5 10 15

Leu Ala Val Pro Asn His Leu Ile Trp Leu Ile Phe Phe Tyr Trp Leu
 20 25 30

Phe His Ser Cys Leu Asn Ala Val Ala Glu Leu Met Gln Phe Gly Asp
 35 40 45

Arg Glu Phe Tyr Arg Asp Trp Trp Asn Ser Glu Ser

50

55

60

<210> 238

<211> 48

<212> PRT

<213> Homo sapiens

<400> 238

Arg	His	Phe	Tyr	Lys	Pro	Met	Leu	Arg	Arg	Gly	Ser	Ser	Lys	Trp	Met
1				5				10						15	

Ala	Arg	Thr	Gly	Val	Phe	Leu	Ala	Ser	Ala	Phe	Phe	His	Glu	Tyr	Leu
		20					25						30		

Val	Ser	Val	Pro	Leu	Arg	Met	Phe	Arg	Leu	Trp	Ala	Phe	Thr	Gly	Met
		35					40					45			

<210> 239

<211> 47

<212> PRT

<213> Homo sapiens

<400> 239

Met	Ala	Gln	Ile	Pro	Leu	Ala	Trp	Phe	Val	Gly	Arg	Phe	Phe	Gln	Gly
1				5				10						15	

Asn	Tyr	Gly	Asn	Ala	Ala	Val	Trp	Leu	Ser	Leu	Ile	Ile	Gly	Gln	Pro
		20					25						30		

Ile	Ala	Val	Leu	Met	Tyr	Val	His	Asp	Tyr	Tyr	Val	Leu	Asn	Tyr
		35					40					45		

<210> 240

<211> 23

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (3)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 240

Ser	Gly	Xaa	Trp	Gln	Gly	Leu	Asp	Glu	Val	Val	Arg	Leu	Leu	Asn	Xaa
1				5				10						15	

Ser	Asp	Phe	Ala	Phe	Thr	Asp
-----	-----	-----	-----	-----	-----	-----

20

<210> 241
 <211> 61
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 241
 Gly Ser Leu Ala Lys Arg Ser Asn Phe Arg Ala Ile Ser Lys Lys Leu
 1 5 10 15

 Asn Leu Ile Pro Arg Val Asp Gly Glu Tyr Asp Leu Lys Val Pro Arg
 20 25 30

 Asp Met Ala Tyr Val Phe Xaa Gly Ala Tyr Val Pro Leu Ser Cys Arg
 35 40 45

 Ile Ile Glu Gln Val Leu Glu Arg Arg Xaa Ala Gly Pro
 50 55 60

<210> 242
 <211> 194
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (73)
 <223> Xaa equals any of the naturally occurring L-amino acids -

<400> 242
 Glu Val Ile Asn Thr Leu Ala Asp His Arg His Arg Gly Thr Asp Phe
 1 5 10 15

 Gly Gly Ser Pro Trp Leu Leu Ile Ile Thr Val Phe Leu Arg Ser Tyr
 20 25 30

 Lys Phe Ala Ile Ser Leu Cys Thr Ser Tyr Leu Cys Val Ser Phe Leu
 35 40 45

 Lys Thr Ile Phe Pro Ser Gln Asn Gly His Asp Gly Ser Thr Asp Val
 50 55 60

 Gln Gln Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys
 65 70 75 80

Ile Val Leu Glu Asp Ile Phe Thr Leu Trp Arg Gln Val Glu Thr Lys
85 90 95

Val Arg Ala Lys Ile Arg Lys Met Lys Val Thr Thr Lys Val Asn Arg
100 105 110

His Asp Lys Ile Asn Gly Lys Arg Lys Thr Ala Lys Glu His Leu Arg
115 120 125

Lys Leu Ser Met Lys Glu Arg Glu His Gly Glu Lys Glu Arg Gln Val
130 135 140

Ser Glu Ala Glu Glu Asn Gly Lys Leu Asp Met Lys Glu Ile His Thr
145 150 155 160

Tyr Met Glu Met Phe Gln Arg Ala Gln Val Cys Gly Gly Gly Gln Arg
165 170 175

Thr Thr Thr Asp Ala Lys Ser Pro Leu Leu Gln Glu Ser Leu Phe Ala
180 185 190

Thr Gly

<210> 243
<211> 143
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (28)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (55)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (84)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 243
Ile Cys Val Lys Thr Phe Pro Pro Leu Ala Leu Gln Val Arg Met Ala
1 5 10 15

Ala Xaa Glu His Arg His Ser Ser Gly Leu Pro Xaa Trp Pro Tyr Leu
20 25 30

Thr Ala Glu Thr Leu Lys Asn Arg Met Gly His Gln Pro Pro Pro Pro

35	40	45
Thr Gln Gln His Ser Ile Xaa Asp Asn Ser Leu Ser Leu Lys Thr Pro		
50	55	60
Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro Ser Ala Asp Asp Asn Leu		
65	70	75
Lys Thr Pro Xaa Glu Cys Leu Leu Thr Pro Leu Pro Pro Ser Ala Pro		
	85	90
Pro Ser Ala Asp Asp Asn Leu Lys Thr Pro Pro Glu Cys Val Cys Ser		
	100	105
Leu Pro Phe His Pro Gln Leu His Pro Gln Arg Met Ile Ile Ser Arg		
	115	120
His Leu Pro Ser Val Ser Ala His Ser Pro Ser Thr Leu Ser Gly		
	130	135
		140

<210> 244
 <211> 20
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 244
 Arg Ala Arg Arg Ser Asn Xaa Arg Arg Gln Glu Gly Ile Lys Ile Val
 1 5 10 15

Leu Glu Asp Ile
 20

<210> 245
 <211> 16
 <212> PRT
 <213> Homo sapiens

<400> 245
 Leu Ser Leu Lys Thr Pro Ala Glu Cys Leu Leu Tyr Pro Leu Pro Pro
 1 5 10 15

<210> 246
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 246

Phe Leu Leu Ile Glu Ser Tyr Gln Lys Leu Arg Asn Lys Thr Asn Leu
 1 5 10 15

Ser Leu His Val Phe Leu Phe His Thr Glu Val
 20 25

<210> 247
 <211> 159
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (63)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (137)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 247
 Tyr Ala Leu Arg Thr Gly Ala Phe Glu Pro Ala Glu Ala Ser Val Asn
 1 5 10 15

Pro Gln Asp Leu Gln Gly Ser Leu Gln Glu Leu Lys Glu Arg Ala Leu
 20 25 30

Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly Pro Glu Arg Leu Val Ser
 35 40 45

Gly Ser Asp Asp Phe Thr Leu Phe Leu Trp Ser Pro Ala Glu Xaa Lys
 50 55 60

Lys Pro Leu Thr Arg Met Thr Gly His Gln Ala Leu Ile Asn Gln Val
 65 70 75 80

Leu Phe Ser Pro Asp Ser Arg Ile Val Ala Ser Ala Ser Phe Asp Lys
 85 90 95

Ser Ile Lys Leu Trp Asp Gly Arg Thr Gly Lys Tyr Leu Ala Ser Leu
 100 105 110

Arg Gly His Val Ala Ala Val Tyr Gln Ile Ala Trp Ser Ala Asp Ser
 115 120 125

Arg Leu Leu Val Ser Gly Ser Ser Xaa Gln His Thr Glu Gly Val Gly
 130 135 140

Cys Glu Gly Pro Glu Ala Gly His Gly Pro Ala Arg Pro Arg Gly
 145 150 155

<210> 248
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 248

Leu Lys Glu Arg Ala Leu Ser Arg Tyr Asn Leu Val Arg Gly Gln Gly
 1 5 10 15

Pro Glu Arg Leu Val
 20

<210> 249

<211> 137

<212> PRT

<213> Homo sapiens

<400> 249

Met Pro Thr Pro Ser Met Arg Ala Asn Arg Met Pro Pro Ile Ile Ala
 1 5 10 15

Glu Pro Thr Met Ala Ser Gly Pro Leu Arg Ala Ala Ser Thr Ala Pro
 20 25 30

Val Asn Ala Pro Leu Val Ile Glu Phe Gln Gly Ser Ser Leu Pro Arg
 35 40 45

Ser Arg Thr Arg Pro Gln Ser Met Val Glu Asn Arg Pro Pro His Thr
 50 55 60

Ala Lys Leu Pro Pro Ile Trp Gly Ala Arg Ile Leu Thr Ala Leu Ala
 65 70 75 80

Leu Pro Leu Asn Arg Cys Arg Ile Pro Thr Gly Ala Leu Arg Lys Pro
 85 90 95

Leu Met Ala Trp Lys Thr Pro Pro Pro Met Thr Pro Ile Val Lys Ala
 100 105 110

Pro Pro Gln Ser Ser Thr Ile Arg His Gly Gln Gly Ser Arg Ala Tyr
 115 120 125

Ser Gly Arg Val Gly Gly Arg Val Gly
 130 135

<210> 250

<211> 25

<212> PRT

<213> Homo sapiens

<400> 250

Gly Ala Arg Ile Leu Thr Ala Leu Ala Leu Pro Leu Asn Arg Cys Arg
 1 5 10 15

Ile Pro Thr Gly Ala Leu Arg Lys Pro
 20 25

<210> 251

<211> 38

<212> PRT

<213> Homo sapiens

<400> 251

Pro Thr Arg Pro Pro Thr Arg Pro Glu Tyr Ala Arg Glu Pro Cys Pro
 1 5 10 15

Trp Arg Ile Val Asp Asp Cys Gly Gly Ala Phe Thr Met Gly Val Ile
 20 25 30

Gly Gly Gly Val Phe Gln
 35

<210> 252

<211> 39

<212> PRT

<213> Homo sapiens

<400> 252

Ala Ile Lys Gly Phe Arg Asn Ala Pro Val Gly Ile Arg His Arg Leu
 1 5 10 15

Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
 20 25 30

Ser Phe Ala Val Trp Gly Gly
 35

<210> 253

<211> 40

<212> PRT

<213> Homo sapiens

<400> 253

Leu Phe Ser Thr Ile Asp Cys Gly Leu Val Arg Leu Arg Gly Lys Glu
 1 5 10 15

Asp Pro Trp Asn Ser Ile Thr Ser Gly Ala Leu Thr Gly Ala Val Leu
 20 25 30

Ala Ala Arg Ser Gly Pro Leu Ala
 35 40

<210> 254

<211> 38

<212> PRT

<213> Homo sapiens

<400> 254

Ile Arg His Glu Arg Lys Ser Ala Arg Ala Cys Cys Pro Leu Thr Gly
 1 5 10 15

Ala Gln Arg Arg Gly Gln Ala Leu Pro Thr Pro Arg Ala Gly Pro Gly
 20 25 30

His Ser Pro Ala Pro Val
35

<210> 255
<211> 38
<212> PRT
<213> Homo sapiens

<400> 255
Ala Pro Ser Ala Pro Gln Glu Asp Gly Gly Ser Pro Pro Ala Pro Gln
1 5 10 15

Gly Gln Pro Asp Pro Gly Pro Gly Ala Gly Gln Pro Ala Gln Leu Gly
20 25 30

Pro Leu Leu Ala Phe Leu
35

<210> 256
<211> 44
<212> PRT
<213> Homo sapiens

<400> 256
Pro Leu Leu His Gln Asp Cys Lys Glu Ser Pro His Leu Gly Ser Ser
1 5 10 15

Gly Ser Pro Val Gln Ala Leu Asp Leu Ser Ser Ile Gln Thr Arg Thr
20 25 30

Ala Val Ser Cys Val Asp Gly Val Arg Leu Trp Ala
35 40

<210> 257
<211> 15
<212> PRT
<213> Homo sapiens

<400> 257
His Arg Leu Gln Val Phe Ser Phe Pro Ile Leu Gly Ser His Asn
1 5 10 15

<210> 258
<211> 52
<212> PRT
<213> Homo sapiens

<400> 258
Gly Lys Val Glu Ile Glu Val Phe Ile Phe Pro Tyr Glu Tyr Pro Val
1 5 10 15

Val Pro Thr Pro Leu Ile Lys Asn Thr Ile Leu Tyr Pro Leu Ser Leu
20 25 30

Phe Cys Thr Phe Ile Lys Asn Gln Phe Ser Ile Tyr Leu Trp Ile Lys
 35 40 45

Phe Phe Ile Phe
 50

<210> 259
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 259
 Arg Ala Thr Thr His Val Ser Arg Glu Phe Phe Gly His Thr
 1 5 10

<210> 260
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 260
 Thr Leu Phe Ser Met Phe Ser Gly Pro Leu Gly Arg Gln Thr Gln Leu
 1 5 10 15

Asp Phe Arg Ala Asp Ile Gly Glu Glu Asn Met Ala Leu Ser Val Leu
 20 25 30

Ser Pro Asp Lys Cys Tyr Leu Tyr Thr
 35 40

<210> 261
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 261
 His Pro Asn Leu Lys Arg Lys Cys Ile Ser Leu Gly Phe Lys His Cys
 1 5 10 15

Asn Arg Tyr Lys Ala Lys Ile Lys Thr Cys Cys Lys Val Gln Lys Lys
 20 25 30

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Gly Arg
 35 40 45

<210> 262
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 262
 His Ser Gly Val Gln Thr Ile Ala Phe Gly Leu Glu Cys
 1 5 10

<210> 263
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 263
 Lys Val Gln Asp Arg Asp Gly Lys Glu Arg Arg Lys Gln Glu Glu Val
 1 5 10 15
 Lys Leu Gly Arg Trp Cys Gln Trp His
 20 25

<210> 264
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 264
 Ala Cys Gly Ala Pro Glu Glu Ala Gly Gly
 1 5 10

<210> 265
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 265
 Leu Phe Ser Ser Phe Leu Gly Asp Thr Thr Val His Lys Val Leu Ser
 1 5 10 15
 Arg Ala Thr Leu His Leu His Pro Ala Pro Tyr Leu Thr Gly Val Asp
 20 25 30
 Ser Tyr Ser
 35

<210> 266
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 266
 Asp Phe Ser Ser Tyr Ser His Pro Ser Leu Gly Thr Gln Leu Ser Ile
 1 5 10 15
 Arg Cys Tyr Pro Glu Pro His Cys Ile Cys Thr Gln His His Thr Ser
 20 25 30
 Gln Glu Ser Thr Pro Thr Leu
 35

<210> 267
 <211> 38

<212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (7)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 267
 Ala Pro Gln Lys Phe Pro Xaa Gly Phe Phe Phe Phe Phe Leu Phe Ser
 1 5 10 15
 Arg Arg Lys Lys Gln Cys Ser Lys Val Val Gln Asn Thr Gly Ala Gly
 20 25 30
 Ala Ile Gln Thr Gln Val
 35

<210> 268
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 268
 Gln Leu Leu Thr Ser Pro Thr Phe Ser Thr Val Leu Ser Asn Tyr Thr
 1 5 10 15
 Cys Gln Ala Pro Ser Gln Trp Thr Asp Trp Gln Ala Leu Leu Pro Thr
 20 25 30
 Gly Ile Gln Thr Glu His
 35

<210> 269
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 269
 His Gln Gly Trp Asp Lys Gln Lys Gln Cys Lys Arg Lys Cys Glu His
 1 5 10 15
 Glu His Ala Pro Leu His His Asn Leu Trp Lys Gln Ser Gly Lys Thr
 20 25 30
 Arg Leu Gly Asp
 35

<210> 270
 <211> 27
 <212> PRT
 <213> Homo sapiens

<400> 270
 Lys His Val Ile Phe Phe Met Phe Ile Ser Asn Leu Phe Leu Ile Leu

1 5 10 15
 Cys Phe Leu Phe Arg Pro Thr Lys Thr Thr Val
 20 25

<210> 271
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 271
 Asp Lys Leu Leu Ser Phe His Leu Val Ser Ile
 1 5 10

<210> 272
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 272
 Lys Trp Lys Gly Asp Leu His Cys Ile Leu Gly Leu Leu Ala
 1 5 10

<210> 273
 <211> 10
 <212> PRT
 <213> Homo sapiens

<400> 273
 Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
 1 5 10

<210> 274
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 274
 Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
 20 25 30

His Gln Ile Lys Thr Ser Pro
 35

<210> 275
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 275

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
 1 5 10 15

Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
 20 25 30

His Leu Asn Asp Asn Ser
 35

<210> 276

<211> 48

<212> PRT

<213> Homo sapiens

<400> 276

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
 1 5 10 15

Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
 20 25 30

Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
 35 40 45

<210> 277

<211> 13

<212> PRT

<213> Homo sapiens

<400> 277

Ile Arg His Glu Asp Glu Val Lys Leu Leu Glu Trp Ser
 1 5 10

<210> 278

<211> 35

<212> PRT

<213> Homo sapiens

<400> 278

Ser Leu His Ser Ser Ala Val Ala Ala Thr Tyr Lys Tyr Val Asn Met
 1 5 10 15

Gln Asp Pro Glu Met Asp Met Lys Ser Val Thr Asp Arg Ala Ala Arg
 20 25 30

Thr Leu Leu
 35

<210> 279

<211> 60

<212> PRT

<213> Homo sapiens

<400> 279

Trp Thr Glu Leu Phe Arg Gly Leu Gly Met Thr Leu Ser Tyr Leu Phe
1 5 10 15

Arg Glu Pro Ala Thr Ile Asn Tyr Pro Phe Glu Lys Gly Pro Leu Ser
20 25 30

Pro Arg Phe Arg Gly Glu His Ala Leu Arg Arg Tyr Pro Ser Gly Glu
35 40 45

Glu Arg Cys Ile Ala Cys Lys Leu Cys Glu Ala Ile
50 55 60

<210> 280

<211> 57

<212> PRT

<213> Homo sapiens

<400> 280

Cys Pro Ala Gln Ala Ile Ile Glu Ala Glu Pro Arg Ala Asp Gly Ser
1 5 10 15

Arg Arg Thr Thr Arg Tyr Asp Ile Asp Met Thr Lys Cys Ile Tyr Cys
20 25 30

Gly Phe Cys Gln Glu Ala Cys Pro Val Asp Ala Ile Val Glu Gly Pro
35 40 45

Asn Phe Glu Phe Ser Thr Glu Thr His
50 55

<210> 281

<211> 19

<212> PRT

<213> Homo sapiens

<400> 281

Gly Asp Lys Trp Glu Ala Glu Ile Ala Ala Asn Ile Gln Ala Asp Tyr
1 5 10 15

Leu Tyr Arg

<210> 282

<211> 48

<212> PRT

<213> Homo sapiens

<400> 282

Ser Ala Ala Asp Pro Ala Thr Gln Pro Gly Asp Ser Arg Ala Leu Pro
1 5 10 15

Glu Pro Arg Gly Val Pro Ala Val His Pro Ala Gly Ser Gly Ser Glu

20

25

30

Trp Glu Arg Pro Pro Pro Ala Ala Pro Ser Pro Glu His Arg Asp Lys
 35 40 45

<210> 283

<211> 24

<212> PRT

<213> Homo sapiens

<400> 283

Asp Ser Arg Ala Leu Pro Glu Pro Arg Gly Val Pro Ala Val His Pro
 1 5 10 15

Ala Gly Ser Gly Ser Glu Trp Glu
 20

<210> 284

<211> 7

<212> PRT

<213> Homo sapiens

<400> 284

Glu Phe Gly Thr Ser Trp Val
 1 5

<210> 285

<211> 78

<212> PRT

<213> Homo sapiens

<400> 285

Thr Leu His Pro Pro Gln Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala
 1 5 10 15

Gly Asp Pro Ala Pro Leu Pro Ser Thr Ser Ser Val Gly Ser Ser Ser
 20 25 30

Gly Gly Ala Cys Gly Val Pro Cys Ala His Trp Arg Val Cys Gly Leu
 35 40 45

Ile His Leu Val Ala Leu Arg Gly Gly Ile Arg Ala Pro Val Ser Pro
 50 55 60

Pro Phe Met Phe Asn Leu His His Asn Leu Leu Asn Leu Arg
 65 70 75

<210> 286

<211> 21

<212> PRT

<213> Homo sapiens

<400> 286

Glu Pro Gln Arg Pro Glu Ala Pro Asp Ala Gly Asp Pro Ala Pro Leu
 1 5 10 15

Pro Ser Thr Ser Ser
 20

<210> 287

<211> 15

<212> PRT

<213> Homo sapiens

<400> 287

Arg Val Cys Gly Leu Ile His Leu Val Ala Leu Arg Gly Gly Ile
 1 5 10 15

<210> 288

<211> 79

<212> PRT

<213> Homo sapiens

<400> 288

Gln Gly Tyr Ser Thr Lys Pro Arg Leu Met Val Pro Leu Lys Met Asp
 1 5 10 15

Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val Tyr
 20 25 30

Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly
 35 40 45

Val Gly Thr Ser Ser Ser Glu Ser Thr His Pro Glu Gly Pro Glu Glu
 50 55 60

Glu Glu Asn Pro Gln Gln Ser Glu Glu Leu Leu Glu Val Ser Asn
 65 70 75

<210> 289

<211> 30

<212> PRT

<213> Homo sapiens

<400> 289

Asp Ser Ile Thr Val His Ile Arg Ser Thr Asn Gly Pro Ile Asp Val
 1 5 10 15

Tyr Leu Cys Glu Val Glu Gln Gly Gln Thr Ser Asn Lys Arg
 20 25 30

<210> 290

<211> 25

<212> PRT

<213> Homo sapiens

<400> 290

Leu Met Val Pro Leu Lys Met Asp Ser Ile Thr Val His Ile Arg Ser
 1 5 10 15

Thr Asn Gly Pro Ile Asp Val Tyr Leu
 20 25

<210> 291

<211> 26

<212> PRT

<213> Homo sapiens

<400> 291

Gln Gly Gln Thr Ser Asn Lys Arg Ser Glu Gly Val Gly Thr Ser Ser
 1 5 10 15

Ser Glu Ser Thr His Pro Glu Gly Pro Glu
 20 25

<210> 292

<211> 19

<212> PRT

<213> Homo sapiens

<400> 292

Arg Pro Thr Arg Pro Ser Ile Leu Gly Leu Tyr Val Asp Leu Tyr Val
 1 5 10 15

Phe Cys Ile

<210> 293

<211> 29

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (6)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 293

Cys Gly Ala Cys Thr Xaa Leu Ser Leu Ser Asp Ser Arg Arg Cys Gly
 1 5 10 15

Cys Cys Lys Gly Ser Ser Leu Arg His Thr Ala Val Ala
 20 25

<210> 294

<211> 7

<212> PRT

<213> Homo sapiens

<400> 294

Gly Arg Pro Thr Arg Pro Ile
1 5

<210> 295

<211> 64

<212> PRT

<213> Homo sapiens

<400> 295

Asp Pro Arg Val Arg Asp Leu Gln Gln Lys Asp Ile Gly Val Lys Pro
1 5 10 15Glu Phe Ser Phe Asn Ile Pro Arg Ala Lys Arg Glu Leu Ala Gln Leu
20 25 30Asn Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val
35 40 45Val Gln Leu Ile Thr Gln Ser Pro Ser Gln Arg Val Asn Leu Glu Thr
50 55 60

<210> 296

<211> 21

<212> PRT

<213> Homo sapiens

<400> 296

Gln Gln Lys Asp Ile Gly Val Lys Pro Glu Phe Ser Phe Asn Ile Pro
1 5 10 15Arg Ala Lys Arg Glu
20

<210> 297

<211> 25

<212> PRT

<213> Homo sapiens

<400> 297

Lys Cys Thr Ser Pro Gln Gln Lys Leu Val Cys Leu Arg Lys Val Val
1 5 10 15Gln Leu Ile Thr Gln Ser Pro Ser Gln
20 25

<210> 298

<211> 142

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (66)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 298

Gln	Lys	Glu	Trp	Lys	Leu	Phe	Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser
1				5					10					15	

Gly	Tyr	Gln	Lys	Leu	Leu	Glu	Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg
			20					25					30		

Val	Val	Thr	Ala	Gly	Ser	Ala	Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu
			35				40					45			

Val	Leu	Ser	Glu	Ile	Lys	Arg	Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr
		50				55					60				

Ser	Xaa	Leu	Pro	Asn	His	Ser	Glu	Pro	Asp	His	Asp	Thr	Asp	Ala	Gly
	65				70					75					80

Leu	Glu	Arg	Thr	Asn	Pro	Glu	Tyr	Glu	Asn	Glu	Val	Glu	Ala	Ser	Met
				85					90					95	

Asp	Met	Asp	Leu	Glu	Ser	Ser	Asn	Ile	Ser	Glu	Gly	Glu	Ile	Glu	
			100				105					110			

Arg	Leu	Ile	Asn	Leu	Leu	Glu	Glu	Val	Phe	His	Leu	Met	Glu	Thr	Ala
		115				120						125			

Pro	His	Thr	Met	Ile	Gln	Gln	Pro	Val	Lys	Ser	Phe	Pro	Thr		
		130				135					140				

<210> 299

<211> 27

<212> PRT

<213> Homo sapiens

<400> 299

Leu	Arg	Gly	Arg	Gln	Asn	Glu	Lys	Ser	Gly	Tyr	Gln	Lys	Leu	Leu	Glu
1				5					10					15	

Leu	Ile	Leu	Leu	Asp	Gln	Thr	Val	Arg	Val	Val					
				20				25							

<210> 300

<211> 26

<212> PRT

<213> Homo sapiens

<400> 300

Ile	Leu	Gln	Lys	Cys	His	Phe	Tyr	Glu	Val	Leu	Ser	Glu	Ile	Lys	Arg
1				5					10					15	

Leu	Gly	Asp	His	Leu	Ala	Glu	Lys	Thr	Ser						
			20					25							

<210> 301
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 301
 Asp Ala Gly Leu Glu Arg Thr Asn Pro Glu Tyr Glu Asn Glu Val Glu
 1 5 10 15
 Ala Ser Met Asp Met Asp
 20

<210> 302
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 302
 Asn Ile Ser Glu Gly Glu Ile Glu Arg Leu Ile Asn Leu Leu Glu Glu
 1 5 10 15
 Val Phe His Leu Met Glu Thr Ala Pro His
 20 25

<210> 303
 <211> 19
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (8)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 303
 Arg Arg Thr Ser Gly Ser Pro Xaa Ala Ala Gly Ile Arg His Glu Gly
 1 5 10 15
 Gly Phe Ile

<210> 304
 <211> 149
 <212> PRT
 <213> Homo sapiens

<400> 304
 Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
 1 5 10 15
 Gly Thr Val Asn Asn Asp Asp Ser Asp Leu Leu Asp Ser Gln Val Gln
 20 25 30

Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala Thr Ser Asp His Pro
35 40 45

Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val Pro Ser
50 55 60

Asp Glu Ser Thr Pro Pro Ser Ile Lys Lys Ile Ile His Val Leu Glu
65 70 75 80

Lys Val Gln Tyr Leu Glu Gln Glu Val Glu Glu Phe Val Gly Lys Lys
85 90 95

Thr Asp Lys Ala Tyr Trp Leu Leu Glu Glu Met Leu Thr Lys Glu Leu
100 105 110

Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
115 120 125

Ala Arg Lys Glu Ala Val Cys Lys Ile Gln Ala Ile Leu Glu Lys Lys
130 135 140

Lys Lys Lys Asn Ser
145

<210> 305

<211> 87

<212> PRT

<213> Homo sapiens

<400> 305

Gly Ala Arg Ala Thr Ala Pro Val Thr Val Arg Pro Thr Ala Ala Thr
1 5 10 15

Thr Gly Leu Gly Val Glu Met Cys Arg Tyr Thr His Leu His Pro Tyr
20 25 30

Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly Gly Cys
35 40 45

Ala Gly Ala Ala Arg Arg Arg Pro Pro Gly Trp Glu Lys Ala Glu Glu
50 55 60

Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln Ser Leu Val Glu
65 70 75 80

Pro Glu Glu Ala Thr Arg Val
85

<210> 306

<211> 25

<212> PRT

<213> Homo sapiens

<400> 306

Pro Val Thr Val Arg Pro Thr Ala Ala Thr Thr Gly Leu Gly Val Glu
1 5 10 15

Met Cys Arg Tyr Thr His Leu His Pro
20 25

<210> 307
<211> 25
<212> PRT
<213> Homo sapiens

<400> 307
Pro Tyr Ile Leu Phe Ala Leu Asn Leu Pro Ser Leu Pro Phe Pro Gly
1 5 10 15

Gly Cys Ala Gly Ala Ala Arg Arg Arg
20 25

<210> 308
<211> 20
<212> PRT
<213> Homo sapiens

<400> 308
Lys Ala Glu Glu Ala Met Ala Thr Ile Pro Arg Glu Ala Pro Gly Gln
1 5 10 15

Ser Leu Val Glu
20

<210> 309
<211> 26
<212> PRT
<213> Homo sapiens

<400> 309
Met Asn Arg His Asn Phe Pro Cys Ser Val His Gln Tyr Glu Ser Ser
1 5 10 15

Gly Thr Val Asn Asn Asp Asp Ser Asp Leu
20 25

<210> 310
<211> 24
<212> PRT
<213> Homo sapiens

<400> 310
Asp Ser Gln Val Gln Tyr Ser Ala Glu Pro Gln Leu Tyr Gly Asn Ala
1 5 10 15

Thr Ser Asp His Pro Asn Asn Gln
20

<210> 311

<211> 25
 <212> PRT
 <213> Homo sapiens

<400> 311
 His Pro Asn Asn Gln Asp Gln Ser Ser Ser Leu Pro Glu Glu Cys Val
 1 5 10 15
 Pro Ser Asp Glu Ser Thr Pro Pro Ser
 20 25

<210> 312
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 312
 Glu Val Glu Glu Phe Val Gly Lys Lys Thr Asp Lys Ala Tyr Trp Leu
 1 5 10 15
 Leu Glu Glu Met Leu Thr Lys Glu
 20

<210> 313
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 313
 Leu Glu Leu Asp Ser Val Glu Thr Gly Gly Gln Asp Ser Val Arg Gln
 1 5 10 15
 Ala Arg Lys Glu Ala Val Cys Lys
 20

<210> 314
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 314
 Ile Arg His Glu Tyr Pro Val Leu Ile Gln Phe Ser Val Ser Tyr Arg
 1 5 10 15
 Lys Ser Phe Ile Phe Cys Leu Pro Glu
 20 25

<210> 315
 <211> 43
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 315

Ala	Asp	Val	Glu	Leu	Val	Asp	Pro	Xaa	Gly	Cys	Arg	Asn	Ser	Ala	Arg
1				5					10					15	

Ala	Pro	Ala	Arg	Lys	Lys	Glu	Trp	His	Ser	Trp	Ala	Trp	Pro	Arg	Ile
			20					25						30	

Arg	Val	Ile	Arg	Ala	Arg	Glu	Ser	Leu	Gly	Ser
		35						40		

<210> 316

<211> 31

<212> PRT

<213> Homo sapiens

<400> 316

Glu	Phe	Gly	Thr	Ser	Arg	Gly	Pro	Val	Pro	Leu	Ser	Ser	Thr	Ser	Pro
1				5					10					15	

Met	Pro	Ser	Arg	Leu	Val	Ile	Arg	Ala	His	Ser	Leu	Leu	Phe	Ala
			20					25					30	

<210> 317

<211> 30

<212> PRT

<213> Homo sapiens

<400> 317

Phe	Arg	Ala	Trp	Arg	Asn	His	Gly	His	Ser	Cys	Phe	Leu	Cys	Glu	Ile
1				5					10					15	

Val	Ile	Arg	Ser	Gln	Phe	His	Thr	Thr	Tyr	Glu	Pro	Glu	Ala
			20					25					30

<210> 318

<211> 102

<212> PRT

<213> Homo sapiens

<400> 318

Ala	Asp	Asn	Asn	Phe	Thr	Gln	Glu	Thr	Ala	Met	Thr	Met	Ile	Thr	Pro
1				5					10					15	

Ser	Ser	Lys	Leu	Thr	Leu	Thr	Lys	Gly	Asn	Lys	Ser	Trp	Ser	Ser	Thr
			20					25						30	

Ala	Val	Ala	Ala	Ala	Leu	Glu	Leu	Val	Asp	Pro	Pro	Gly	Cys	Arg	Asn
			35					40					45		

Ser	Ala	Arg	Ala	Val	Leu	Leu	Ile	Trp	Gly	His	Gly	Ser	Ser	Gly	Lys
								50			55			60	

Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val Gly Gly Ser Val
65 70 75 80

Pro Val His Arg Tyr Leu Leu Ala Ala His Ile His Ser Glu Ala Leu
85 90 95

Leu Ser Gln Leu Arg Met
100

<210> 319
<211> 24
<212> PRT
<213> Homo sapiens

<400> 319
Thr Ala Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys
1 5 10 15

Gly Asn Lys Ser Trp Ser Ser Thr
20

<210> 320
<211> 26
<212> PRT
<213> Homo sapiens

<400> 320
Ser Ser Gly Lys Met Ala Leu Cys Gly Val Glu Val Ser Pro Arg Val
1 5 10 15

Gly Gly Ser Val Pro Val His Arg Tyr Leu
20 25

<210> 321
<211> 7
<212> PRT
<213> Homo sapiens

<400> 321
Val Asp Pro Val Lys Gly Gly
1 5

<210> 322
<211> 16
<212> PRT
<213> Homo sapiens

<400> 322
Ile Arg His Glu Arg His Glu Leu Val Pro Asn Ser Ala Arg Asp Phe
1 5 10 15

<210> 323
 <211> 6
 <212> PRT
 <213> Homo sapiens

<400> 323
 Ala Thr Ser His Cys Gly
 1 5

<210> 324
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 324
 Ala His Gly Gln Ile Glu Gly Lys Ala Leu Thr His Asp His Thr Ala
 1 5 10 15
 Glu Lys Trp Gln Arg Gln Asp Leu Asn Leu Glu Pro Leu Ala Pro His
 20 25 30
 Thr Ser Asn Leu Asn His Ser Pro Tyr Asn Thr Thr Tyr Val Val Lys
 35 40 45

<210> 325
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 325
 Leu Asn Ser Ser Asp Cys Gln Leu Ala
 1 5

<210> 326
 <211> 33
 <212> PRT
 <213> Homo sapiens

<400> 326
 Thr Pro His Asn Leu Ser Ala Arg Arg Leu Ser Gly Thr Met Tyr Gly
 1 5 10 15
 Phe Phe Ala Leu Gln Leu Thr Val Leu Leu Val His Tyr Phe Phe Leu
 20 25 30
 Ile

<210> 327
 <211> 40

<212> PRT

<213> Homo sapiens

<400> 327

Asn Ser Ala Arg Ala Lys Met Arg Leu Ser Thr Asn Leu Cys Ile Ile
 1 5 10 15

Leu Ile Asn Ile Leu Ile Gln Asn Val Leu Asn Phe Asn Arg Lys Ile
 20 25 30

Ile Phe Lys Phe Leu Pro Cys Ala
 35 40

<210> 328

<211> 21

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 328

Asn Xaa Trp Ile Pro Arg Ala Ala Gly Ile Arg His Xaa Ala Ala Leu
 1 5 10 15

Gly Gln Ala Gly Thr
 20

<210> 329

<211> 85

<212> PRT

<213> Homo sapiens

<400> 329

Leu Leu Phe His Met Lys Leu Arg Lys Glu Val Glu Arg Thr Gly Leu
 1 5 10 15

Val Leu Trp Ala Leu Leu Ala Gly Ala Pro Pro Pro Thr Ala Gly Leu
 20 25 30

Gln Leu Gln Gly Ser Glu Ala Ile Ser Glu Lys Val Gly Ser Gly Ala
 35 40 45

Glu Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln
 50 55 60

Gln Ala Phe His Leu Cys Pro Gln Val Ile His Gly Leu Leu Tyr His
 65 70 75 80

Leu Leu His Asp Ile
85

<210> 330
<211> 25
<212> PRT
<213> Homo sapiens

<400> 330
Arg Lys Glu Val Glu Arg Thr Gly Leu Val Leu Trp Ala Leu Leu Ala
1 5 10 15

Gly Ala Pro Pro Pro Thr Ala Gly Leu
20 25

<210> 331
<211> 23
<212> PRT
<213> Homo sapiens

<400> 331
Gly Ser Arg Gly Gln Val Pro Gly Gln Leu Leu Gln Gln Ala Gln Gln
1 5 10 15

Ala Phe His Leu Cys Pro Gln
20

<210> 332
<211> 50
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 332
Gly Ser Arg Arg His Val Val Gly Lys Pro Gly Thr Pro Cys Arg Tyr
1 5 10 15

Arg Ala Gly Ile Pro Xaa Val Asp Pro Arg Val Arg Ser Ile Thr Val
20 25 30

Ile Val Lys Met Trp Phe Leu Arg Val Val Ala Thr Tyr Gly Gly Val
35 40 45

Glu Arg
50

<210> 333
<211> 18
<212> PRT
<213> Homo sapiens

<400> 333

Ile Phe Ser Cys Asp Ser Ile Ala Ile Ile Gln Ile Lys His Leu Ala
 1 5 10 15

Phe Pro

<210> 334

<211> 34

<212> PRT

<213> Homo sapiens

<400> 334

Gly Leu Trp Leu Ser Leu Gly Gly Phe His Glu Arg Gly Gln Asp Trp
 1 5 10 15

Glu Gln Thr Gln Lys Ile Tyr Asn Cys His Val Leu Leu Asn Arg Lys
 20 25 30

Gly Gln

<210> 335

<211> 68

<212> PRT

<213> Homo sapiens

<400> 335

Ala Trp Pro Arg Leu Gly Ala Asp Ser Glu Asn Leu Gln Leu Ser Arg
 1 5 10 15

Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr His
 20 25 30

Leu Cys Asp Val Glu Ile Pro Gly Gln Gly Leu Cys Val Lys Ala Thr
 35 40 45

Leu Pro Cys Leu Gly Pro Val Leu Ser His Leu Ser Ala His Gln Gln
 50 55 60

Ala Arg Leu Val
 65

<210> 336

<211> 27

<212> PRT

<213> Homo sapiens

<400> 336

Arg Ala Ala Glu Gln Lys Gly Ala Val Val Ala Thr Tyr Arg Lys Thr
 1 5 10 15

His Leu Cys Asp Val Glu Ile Pro Gly Gln Gly
 20 25

<210> 337
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 337
 Arg Arg Asp Ser Arg Ala Gly Ala
 1 5

<210> 338
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 338
 Leu Ser Ala Gly Asn His Asp Thr
 1 5

<210> 339
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 339
 Lys Gln Val Lys Cys Ala Lys Val Ser Tyr Leu Leu Phe Leu Phe Gln
 1 5 10 15
 Tyr Cys Ala Ile Asp Ser Cys Ile Lys Phe Trp Asn Ala Gly Ser Ser
 20 25 30
 Trp Leu Ser Ser Val Thr Leu Trp Ser
 35 40

<210> 340
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 340
 Ile Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val
 1 5 10

<210> 341
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 341
 Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu
 1 5 10

<210> 342
 <211> 19
 <212> PRT
 <213> Homo sapiens

<400> 342
 Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val Glu Trp Met
 1 5 10 15

Gln Asp Phe

<210> 343
 <211> 13
 <212> PRT
 <213> Homo sapiens

<400> 343
 Ala Phe Gln Asp Ala Leu Asn Gln Glu Thr Thr Tyr Val
 1 5 10

<210> 344
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 344
 Asn Leu Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser
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Leu Arg Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu
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Leu Phe Val Gln Val Thr Ser Ala Ala
 35 40

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 <213> Homo sapiens

<400> 345
 Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser
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 Lys Asp Met Gly Ser Val Ala Leu Asp Ala Gly Thr Ala Lys Asp Ser
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Leu Ser Pro Val Leu His Pro Ser Asp Leu Ile Leu Thr
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<210> 347
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<400> 347
 Ala Gly Ser Gly Lys Thr Thr Phe Val Gln Arg Leu Thr Gly His Leu
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His Ala Gln Gly Thr Pro Pro Tyr Val Ile Asn Leu
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 Ser Thr Trp Ile Gln Gln Tyr Met Lys Phe Pro Phe Leu Pro Ile Leu
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Val Met Lys Phe Ile Glu Lys Ala Gln Asn Met Ser Lys Tyr Val Leu
 20 25 30

Ile Asp Thr Pro Gly Gln Ile Glu Val Phe Thr Trp Ser Ala Ser Gly
 35 40 45

Thr Ile Ile Thr Glu Ala Leu Ala Ser Ser Phe Pro Thr Val Xaa Ile
 50 55 60

Tyr Val Met Asp Thr Ser Arg Ser Thr Asn Pro Val Thr Phe Met Cys
 65 70 75 80

Asn Met Leu Tyr Ala Cys Ser Ile Leu Tyr Lys Thr Lys Leu Ala Phe
 85 90 95

Ile Xaa Gly Met Asn Lys Thr Asp Ile Ile Asp His Ser Phe Ala Val
 100 105 110

Glu Trp Met Gln Asp Phe Xaa Ala Phe Gln Asp Ala Leu Asn Gln Glu
 115 120 125

Thr Thr Tyr Val Ile Thr
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<212> PRT

<213> Homo sapiens

<400> 349

Gly Phe Pro Arg Cys Leu Glu Ser Arg Asp Tyr Ile Arg His Asn Leu
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Thr Arg Ser Met Ser Leu Val Leu Asp Glu Phe Tyr Ser Ser Leu Arg
 20 25 30

Val Val Gly Val Ser Ala Val Leu Gly Thr Gly Leu Asp Glu Leu Phe
 35 40 45

Val Gln Val Thr Ser Ala Ala Glu Glu Tyr Glu Arg Glu Tyr Arg Pro
 50 55 60

Glu Tyr Glu Arg Leu Lys Lys Ser Leu Ala Asn Ala Glu Ser Gln Gln
 65 70 75 80

Gln Arg Glu Gln Leu Glu Arg Leu Arg Lys Asp Met Gly Ser Val Ala
 85 90 95

Leu Asp Ala Gly Thr Ala Lys Asp Ser Leu Ser Pro Val Leu His Pro
 100 105 110

Ser Asp Leu Ile Leu Thr Arg Gly Thr Leu Asp Glu Glu Asp Glu Glu
 115 120 125

Ala Asp Ser Asp Thr Asp Asp Ile Asp His Arg Val Thr Glu Glu Ser
 130 135 140

His Glu Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln
 145 150 155 160

Tyr Trp Lys Arg Asn Asn Lys His Arg Val Thr Glu Glu Ser His Glu
 165 170 175

Glu Pro Ala Phe Gln Asn Phe Met Gln Glu Ser Met Ala Gln Tyr Trp
 180 185 190

Lys Arg Asn Asn Lys
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<210> 350

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<213> Homo sapiens

<400> 350

Leu Ala Pro Ser Ser Val Gly Ser Ala Ser
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<210> 351

<211> 39

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<213> Homo sapiens

<400> 351

Arg Glu Ala Thr Lys Asn Pro Thr His His Arg Ser Thr Pro His Ala
 1 5 10 15

Ala Gly Ser Gln Leu Asn Val Pro Pro Gln Pro Cys Phe Pro Leu His
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His Gln Ile Lys Thr Ser Pro
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<211> 38

<212> PRT

<213> Homo sapiens

<400> 352

Ser Gln Thr Ile Phe Lys Gln Ser Arg His Arg Cys Asp Ser Arg Gln
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Glu Ser Thr Trp Leu Cys Ser His Glu Lys Asp Ala Thr Lys Met Met
 20 25 30

His Leu Asn Asp Asn Ser
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<211> 48

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<213> Homo sapiens

<400> 353

Val Thr Gly Ser Pro Ile Leu Gln Leu Ala Leu Leu Gln Leu Pro Ala
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Trp Pro Leu Arg Gly Arg Leu Arg Gly Lys Arg His Cys Thr Gly Leu
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Asn Leu Ala Ile Ser Gly Asn Gly Gly Glu Trp Gly Gly Arg Gly Glu
 35 40 45

<210> 354

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<400> 354
 Glu Phe Gly Thr Arg Ser Leu Asp Pro Ser Gly Arg His Arg Val Gly
 1 5 10 15

Ala Ala Gly

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 Ala Gln Gly Arg Cys Ser Arg Asp Gly Ala Ser Ala His Gly Gly Leu
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Ser Val Pro Arg Trp Thr Cys Pro Ser Ser Gly Ser His Asn Pro Leu
 20 25 30

Pro Leu His Tyr Phe Thr Gln Val Gly Thr Phe Pro
 35 40

<210> 356
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 <213> Homo sapiens

<400> 356
 Cys Arg Val Ser Ala Leu Arg Glu Leu Lys Asp Ser Gln Arg His Gln
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Gly Ser Leu Ala Gln Arg Ser Asn Ser Gln Ala Pro Arg Arg Thr Ala
 20 25 30

Met Glu Arg Thr Glu Thr His Leu Gln Trp Gly Leu
 35 40

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<400> 357
 Gly Thr Leu Pro Val Pro Gly Val Gln Ser Leu Pro Thr Pro Ser Leu
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Cys Leu Pro Pro Ser Lys Gly Gly Val Thr Thr Ser Val Ala Lys His
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Leu Leu Pro Gly Ser Leu His Pro Gly His Leu Ser Leu
 35 40 45

<210> 358

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Trp Ser Val Cys Leu Ser Val Pro Pro Ser Leu Asn Leu Leu Pro Pro
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Cys Pro Leu Leu Leu Ala Pro Gly Ser Pro Xaa Pro Leu Leu Ala Ala
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Pro Ser His Leu Thr Gln Gly Ser Leu Arg Thr Leu Lys Trp Trp Ile
 35 40 45

His Pro Glu
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<400> 359

Ser Pro Gly Leu Xaa Gly Ile Arg His Glu Gln Pro Ser Lys Leu Met
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Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala Asn Ile Leu Ser Ser Pro
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Thr Asp Arg Ser Met Ser Ser Ser Leu Ser Ala Ser Gln Leu His Thr
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Val Asn
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<213> Homo sapiens

<400> 360

Gln Pro Ser Lys Leu Met Arg Leu Leu Ser Ser Asn Glu Asp Asp Ala
 1 5 10 15

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Lys Arg Ile Leu Asn Lys Pro Val Gly Leu Lys Asp Leu
 1 5 10

<210> 366

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<400> 366

Gly Pro Gln Ile Ala Tyr Val Arg Asp Phe Lys Ala Lys Val Gln Tyr
 1 5 10 15

Phe Arg Phe Trp
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<213> Homo sapiens

<400> 367

Tyr Phe Val Asn His Asn Thr Arg Ile Thr Gln Trp Glu Asp Pro Arg
 1 5 10 15

Ser Gln Gly Gln Leu
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<210> 368

<211> 23

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<213> Homo sapiens

<400> 368

Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys Phe Ile Asp
 1 5 10 15

Thr Gly Phe Ser Leu Pro Phe
 20

<210> 369

<211> 18

<212> PRT

<213> Homo sapiens

<400> 369

Lys Gln Ile Met Trp Phe Trp Gln Phe Val Lys Glu Ile Asp Asn Glu
 1 5 10 15

Lys Arg

<400> 370
Phe Asn Arg Leu Asp Leu Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys
1 5 10 15

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Lys Arg Thr Asp Ser Asn Gly Arg Val Tyr Phe Val Asn His Asn Thr

20 25 30
 Arg Ile Thr Gln Trp Glu Asp Pro Arg Ser Gln Gly Gln Leu Asn Glu
 35 40 45
 Lys Pro Leu Pro Glu Gly Trp Glu Met Arg Phe Thr Val Asp Gly Ile
 50 55 60
 Pro Tyr Phe Val Asp His Asn Arg Arg Thr Thr Thr Tyr Ile Asp Pro
 65 70 75 80
 Arg Thr Gly Lys Ser Ala Leu Asp Asn Gly Pro Gln Ile Ala Tyr Val
 85 90 95
 Arg Asp Phe Lys Ala Lys Val Gln Tyr Phe Arg Phe Trp Cys Gln Gln
 100 105 110
 Leu Ala Met Pro Gln His Ile Lys Ile Thr Val Thr Arg Lys Thr Leu
 115 120 125
 Phe Glu Xaa Ser Phe Gln Gln Xaa Xaa Ser Phe Ser Pro Gln Asp Leu
 130 135 140
 Arg Xaa Arg Leu Trp Val Ile Phe Pro Gly Glu Glu Gly Leu Asp Tyr
 145 150 155 160
 Gly Gly Val Ala Arg Glu Trp Phe Phe Leu Leu Ser His Glu Val Leu
 165 170 175
 Asn Pro Met Tyr Cys Leu Phe Glu Tyr Ala Gly Lys Asp Asn Tyr Cys
 180 185 190
 Leu Gln Ile Asn Pro Xaa Ser Tyr Ile Asn Pro Asp His Leu Lys Tyr
 195 200 205
 Phe Arg Phe Ile Gly Arg Phe Ile Ala Met Ala Leu Phe His Gly Lys
 210 215 220
 Phe Ile Asp Thr Gly Phe Ser Leu Pro Phe Xaa Lys Arg Ile Leu Asn
 225 230 235 240
 Lys Pro Val Gly Leu Lys Asp Leu Glu Ser Ile Asp Pro Glu Phe Tyr
 245 250 255
 Asn Ser Leu Ile Trp Val Lys Glu Asn Asn Ile Glu Glu Cys Asp Leu
 260 265 270
 Glu Met Tyr Phe Ser Val Asp Lys Glu Ile Leu Gly Glu Ile Lys Ser
 275 280 285
 His Asp Leu Lys Pro Asn Gly Gly Asn Ile Leu Val Thr Glu Glu Asn
 290 295 300
 Lys Glu Glu Tyr Ile Arg Met Val Ala Glu Trp Arg Leu Ser Arg Gly
 305 310 315 320
 Val Glu Glu Gln Thr Gln Ala Phe Phe Glu Gly Phe Asn Glu Ile Leu
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 355 360 365
 Ile Tyr Arg His Tyr Ala Arg Thr Ser Lys Gln Ile Met Trp Phe Trp
 370 375 380
 Gln Phe Val Lys Glu Ile Asp Asn Glu Lys Arg Met Arg Leu Leu Gln
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 Phe Val Thr Gly Thr Cys Arg Leu Pro Val Gly Gly Phe Ala Asp Leu
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 420 425 430
 Glu Asn Trp Leu Pro Arg Ser His Thr Cys Phe Asn Arg Leu Asp Leu
 435 440 445
 Pro Pro Tyr Lys Ser Tyr Glu Gln Leu Lys Glu Lys Leu Leu Phe Ala
 450 455 460
 Ile Glu Glu Thr Glu Gly Phe Gly Gln Glu
 465 470

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